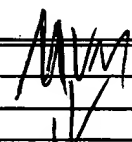


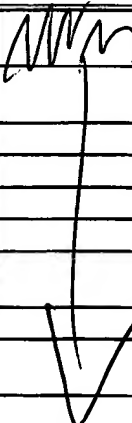
ExpressMailNo.EV 666038705 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICATION NO:	09/478,299
	FILING DATE:	1/5/2000
	FIRST NAMED INVENTOR	John L. Schenk
	ART UNIT:	3034 1655.
	EXAMINER NAME:	M. Meller
	DOCKET NO:	22091-701

I. US PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if known)	PATENTEE OR APPLICANT NAME	PUBLICATION/ISSUE DATE	Pages, Columns, Lines Where Relevant Passages Or Relevant Drawings Appear
	2005/0003472 A1	Muhammad, A.	1/6/2005	
	2005/0112541 A1	Durack, G.	5/26/2005	
	2005/0214733 A1	Graham, J.A.	9/29/2005	

II. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PATENTEE OR APPLICANT NAME	PUB'N DATE dd-yyyy	mm-	TRANSLATION Yes No
	WO 04/017041 A3 Search Report	XY INC.	2/26/2004		
	WO 04/012837 A3 Search Report	XY, Inc.	2/12/2004		
	WO 04/009237 A3	XY, Inc.	1/29/2004		
	WO 2005/095960 A1	Ludwig, C.	10/13/2005		
	WO 2005/095590 A2	Ludwig, C	10/13/2005		
	WO 2005/094852 A2	Graham, J.	10/13/2005		
	WO 02/41906 A2	Pharmacia Corporation	5/30/2002		
	WO 2004/059282 A2	Nagappan, M.	7/15/2004		
	WO 2004/003697 A2	Monsanto Technology LLC	10/8/2004		
	WO 2004/104178 A3	XY, Inc.	12/2/2004		

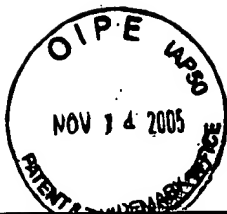


III. OTHER REFERENCES

EXAMINER INITIAL	Document
<i>MM</i>	Australian Application No. 17552/01; Examiner's report dated 10/21/2003
	Australian Application No. 17552/01; Notice of Acceptance dated 07/29/2005
	Chinese Application Number 00818617.0, Notification of First Office Action
	European Application Number 05001937.1, European Search Report dated 05/04/2005
	European Application Number 00980567.9, European examination report dated 06/23/2003
	European Application Number 00980567.9, Certificate of Grant of Patent dated 02/02/2005
	European Application Number 00980567.9; Opposition filed by European Union Parliament 11/5/2005 (This documents in filed herewith in German. A translation will be forwarded to the Examiner once it is received.)
	European Application Number 00980567.9; Opposition filed by Greenpeace 11/02/2005 (This documents in filed herewith in German. A translation will be forwarded to the Examiner once it is received.)
	European Application Number 00980567.9; Opposition filed by Monsanto 10/31/2005
	New Zealand Application Number 519078, Examination Report dated 07/03/2004
	New Zealand Application Number 519078, Letters Patent Number 519078 dated 11/22/2000
	New Zealand Application Number 530441, Examination Report dated 01/08/2004
	Brink, Z et al. A reliable procedure for superovulating cattle to obtain zygotes and early embryos for microinjection, Theriogenology Vol. 41, p 168, (1994)
	Spectra-Physics, The Solid State Laser Company, "Vanguard 350-HMD 355, User's Manual, December 2002
	Photon, Inc. Light Measuring Solutions, NanoScan for High-powered beam Applications, 2005
	Fluorescence Lifetime Systems, www.picoquant.com, 1/28/2005 pp 2
	NCI ETI Branch, Flow Cytometry Core Laboratory, http://home.ncifcrf.gov/ccr/flowcore/ndyag.htm , pp 5, 5/11/2004
	NCI ETI Branch, Flow Cytometry Core Laboratory, http://home.ncifcrf.gov/ccr/flowcore/lrll.htm , pp 14, 5/11/2004
	Saacke, R.G., Can Spermatozoa with abnormal heads gain access to the ovum in artificially inseminated super- and single-ovulating cattle?, Theriogenology 50:117-128. 1998.
	Hawk, H.W., Gamete Transport in the Superovulated Cow. Theriogenology: January 1998 Vol. 29 No.1 pp.125-142
	Blecher, S.R., et al. A new approach to immunological sexing of sperm, Theriogenology, 59, pp. 1309-1321, 1999 Vol.
	Wheeler, M. B., et al. Application of sexed semen technology to in vitro embryo production in cattle, Theriogenology, Vol 65 (2006) 219-227
	Garverick, H. A., et al. mRNA and protein expression of P450 aromatase (AROM) and estrigen receptors (ER) α and β during early development of bovine fetal ovaries; The society for the study of reproduction 38th annual meeting July 24-27, 2005; Abstract only
<i>U</i>	Bodmer, M., et al., Fertility in heifers and cows after low does insemination with sex-sorted and non-sorted sperm under field conditions; Theriogenology, Vol 64, (2005) 1647-1655



[Signature]	Scherer, J. et al. Embryo production from superovulated cattle following insemination of sexed sperm, Theriogenology, 65 (2006) 299-307
	Garner, D. L., Flow cytometric sexing of mammalian sperm, Theriogenology, (2006) pp 15
[Signature]	Habermann F. A., et al., Validation of sperm sexing in the cattle (<i>Bos taurus</i>) by dual colour fluorescence in situ hybridization; J Anim Breed Genet. 2005 Apr; 122 Suppl 1:22-7 (Abstract only)
Examiner	Date Considered 2/2/06
EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPBP 8	



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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT	APPLICATIONNO:	09/478,299
	FILINGDATE:	1/5/2000
	FIRSTNAMEDINVENTO	John L. Schenk
	ARTUNIT:	4054 1655
	EXAMINERNAME:	M. Meller
	DOCKETNO:	22091-701

I. US PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NO. & KIND CODE (if known)	PATENTEE OR APPLICANT	PUBLICATION/ISSUE DATE	Pages, Columns, Lines Where Relevant Passages Or Relevant Drawings Appear
	2002/0113965 A1	Roche et al.	8/22/2002	
	2002/0119558 A1	Seidel et al.	8/29/2002	
	2002/141902 A1	Asbury et al.	10/3/2002	
	2002/186375 A1	Asbury et al.	12/12/2002	
	2003/0129091 A1	Seidel et al.	1/10/2003	
	2003/0157475 A1	Schenk	8/21/2003	
	2003/098421 A1	Ho	11/27/2003	
	2003/0207461 A1	Bell et al.	11/6/2003	
	2003/0209059 A1	Kawano	11/13/2003	
	2004/0031071 A1	Morris et al.	2/12/2004	
	2004/0049801 A1	Seidel	3/11/2004	
	2004/0053243 A1	Evans	3/18/2004	
	2004/0055030 A1	Maxwell et al.	3/18/2004	
	2004/0005582 A1	Shipwast	1/8/2004	
	2004/0062685 A1	Norton et al.	4/1/2004	
	2004/0096123 A1	Whittier et al.	7/25/2002	
	2004/0132001 A1	Seidel et al.	7/8/2004	
	32,350	Bhattacharya	2/10/1987	
	3,299,354	Hogg	12/17/1967	
	3,499,435	Rockwell et al.	3/10/1970	
	3,547,526	Devereux	12/15/1970	
	3,644,128	Lipner	2/22/1972	
	3,661,460	Elking et al.	5/9/1972	
	3,687,806	Van den Bovenkamp	8/29/1972	
	3,710,933	Fulwyler et al.	1/16/1973	
	3,761,941	Robertson	9/25/1973	
	3,810,010	Thom	5/7/1974	
	3,826,364	Bonner et al.	7/30/1974	
	3,829,216	Persidsky	8/13/1974	
	3,833,796	Fetner et al.	11/3/1974	
	3,877,430	Wieder	04/15/1975	
	3,893,766	Hogg	7/8/1975	
	3,894,529	Shrimpton	7/15/1975	

3,909,744	Wisner et al.	9/30/1975	
3,947,093	Goshima et al.	3/30/1976	
3,960,449	Carleton et al.	7/1/1976	
3,963,606	Hogg	6/15/1976	
3,973,003	Colas	08/03/1976	
3,973,196	Hogg	8/3/1976	
4,009,260	Ericsson	2/22/1977	
4,014,611	Simpson et al	3/29/1977	
4,067,965	Bhattacharya	1/10/1978	
4,070,617	Kachel et al.	1/24/1978	
4,083,957	Lang	4/11/1978	
4,085,205	Hancock	4/18/1978	
4,092,229	Bhattacharya	5/30/1978	
4,155,831	Bhattacharya	5/22/1979	
4,162,282	Fulwyler et al.	7/24/1979	
4,178,936	Newcomb	12/18/1979	
4,179,218	Erdmann et al.	12/18/1979	
4,191,749	Bryant	3/4/1980	
4,200,802	Salzman et al.	4/29/1980	
4,225,405	Lawson	9/30/1980	
4,230,558	Fulwyler	10/28/1980	
4,255,021	Brunsdon	3/10/1981	
4,274,408	Nimrod	6/23/1981	
4,274,740	Eidenschink et al.	6/23/1981	
4,276,139	Lawson	6/30/1981	
4,302,166	Fulwyler et al.	11/24/1981	
4,317,520	Lombardo et al.	3/2/1982	
4,318,480	Lombardo et al.	3/9/1982	
4,318,481	Lombardo et al.	3/9/1982	
4,318,482	Barry et al.	3/9/1982	
4,325,483	Lombardo et al.	4/20/1982	
4,327,177	Shrimpton	4/27/1982	
4,339,434	Ericsson	7/13/1982	
4,341,471	Hogg et al.	7/27/1982	
4,350,410	Minott	9/21/1982	
4,352,558	Eisert, W.	10/5/1982	
4,361,400	Gray et al.	11/30/1982	
4,362,246	Adair	12/7/1982	
4,395,397	Shapiro	7/26/1983	
4,395,676	Hollinger et al.	7/26/1983	
4,400,764	Kenyon	8/23/1983	
4,422,761	Frommer	12/27/1983	
4,448,767	Bryant	5/15/1984	
4,487,320	Auer	12/11/1984	
4,498,766	Unterleitner	2/12/1985	
4,501,366	Thompson	2/26/1985	
4,511,661	Goldberg	4/16/1985	
4,515,274	Hollinger et al.	5/7/1985	
4,523,809	Toboada et al.	6/18/1985	
4,538,733	Hoffman	11/3/1985	
4,598,408	O'Keefe	7/1/1986	

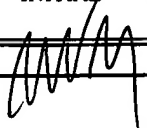
4,600,302	Sage, Jr.	7/15/1986	
4,605,558	Shrimpton	8/12/1986	
4,631,483	Proni et al.	12/23/1986	
4,637,691	Uehara et al.	1/20/1987	
4,654,025	Cassou et al.	3/31/1987	
4,660,971	Sage et al.	4/28/1987	
4,673,288	Thomas et al.	6/16/1987	
4,680,258	Hammerling et al.	7/14/1987	
4,683,195	Mullis et al.	7/28/1987	
4,683,202	Mullis	7/28/1987	
4,691,829	Auer	9/8/1987	
4,698,142	Muroi et al.	10/6/1987	
4,702,598	Böhmer	10/27/1987	
4,714,680	Civin	12/22/1987	
4,744,090	Freiberg	5/10/1988	
4,749,458	Muroi et al.	6/7/1988	
4,756,427	Gohde. et al.	7/12/1988	
4,758,729	Monnin	7/19/1988	
4,764,013	Johnston	08/00/1988	
4,780,451	Donaldson	10/15/1988	
4,790,653	North, Jr.	12/13/1988	
4,794,086	Kasper et al.	1/27/1988	
4,818,103	Thomas et al.	4/4/1989	
4,831,385	Archer et al.	5/16/1989	
4,836,038	Baldwyn	6/6/1989	
4,845,025	Lary et al.	7/4/1989	
4,846,785	Cassou	7/11/1989	
4,877,965	Dandliker, et al.	10/31/1989	
4,942,305	Sommer	7/17/1990	
4,959,354	Barbetti	9/25/1990	
4,965,204	Civin	10/23/1990	
4,979,093	Laine, et al.	12/18/1990	
4,981,580	Auer	1/1/1991	
4,983,038	Ohki et al.	1/8/1991	
4,987,539	Moore et al.	1/22/1991	
4,988,619	Pinkel	1/29/1991	
5,005,981	Schulte et al.	4/9/1991	
5,007,732	Ohki et al.	4/16/1991	
5,030,002	North, Jr.	7/9/1991	
5,034,613	Denk et al.	7/23/1991	
5,055,393	Kwoh et al.	10/8/1991	
5,079,959	Miyake et al.	1/14/1992	
5,084,004	Ranoux	01/00/1992	
5,088,816	Tomioka et al.	2/18/1992	
5,098,657	Blackford et al.	3/24/1992	
5,101,978	Marcus	4/7/1992	
5,127,729	Oetliker et al.	7/7/1992	
5,132,548	Borden et al.	7/21/1992	
5,144,224	Larsen	9/1/1992	
5,150,313	Van den Engh et al.	9/22/1992	

5,159,397	Kosaka et al.	10/27/1992	
5,159,403	Kosaka	10/27/1992	
5,162,306	Donaldson	11/10/1992	
5,167,926	Kimura et al.	12/1/1992	
5,180,065	Touge et al.	1/19/1993	
5,182,617	Yoneyama et al.	1/26/1993	
5,195,979	Schinkel et al.	12/24/1991	
5,199,576	Corio et al.	4/6/1993	
5,215,376	Schulte et al.	6/1/1993	
5,219,729	Hodgen	06/00/1993	
5,247,339	Ogino	9/21/1993	
5,259,593	Orme et al.	11/9/1993	
5,260,764	Fukuda et al.	11/9/1993	
5,298,967	Wells	3/29/1994	
5,315,122	Pinsky et al.	5/24/1994	
5,315,122	Pinsky et al.	05/00/1994	
5,346,990	Spaulding	9/13/1994	
5,359,907	Baker et al.	11/1/1994	
5,366,888	Fry et al.	11/22/1994	
5,367,474	Auer, et al.	11/22/1994	
5,370,842	Miyazaki et al.	12/6/1994	
5,371,585	Morgan et al.	12/6/1994	
5,412,466	Ogino	5/2/1995	
5,437,987	Ten et al.	8/1/1995	
5,439,362	Spaulding	8/8/1995	
5,447,842	Simons	9/5/1995	
5,452,054	Dewa et al.	9/19/1995	
5,461,145	Kudo et al.	10/24/1995	
5,466,572	Sasaki et al.	11/14/1995	
5,467,189	Kreikebaum et al.	11/14/1995	
5,471,294	Ogino	11/28/1995	
5,471,299	Kaye et al.	11/28/1995	
5,480,774	Hew et al.	1/2/1996	
5,483,469	Van den Engh et al.	1/9/1996	
5,494,795	Guerry et al.	2/27/1996	
5,496,272	Chung et al.	3/5/1996	
5,503,994	Shear et al.	4/2/1996	
5,523,573	Hanninen, et al.	6/4/1996	
5,532,155	Ranoux	07/00/1996	
5,558,998	Hammond et al.	9/24/1996	
5,578,449	Fr asch et a.	11/26/1996	
5,589,457	Wiltbank	12/31/1996	
5,596,401	Kusuzawa	1/21/1997	
5,601,235	Booker et al.	2/11/1997	
5,601,533	Hancke et al.	2/11/1997	
5,602,039	Van den Engh	2/11/1997	
5,602,349	Van den Engh	2/11/1997	
5,622,820	Rossi	4/11/1997	
5,641,457	Vardanega	6/24/1997	
5,643,796	Van Den Engh et al.	7/1/1997	

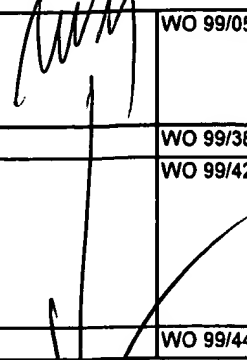
5,650,847	Maltsev et al.	7/22/1997	
5,660,997	Spaulding	8/26/1997	
5,663,048	Winkfein et.al.	9/2/1997	
5,672,880	Kain	9/30/1997	
5,675,401	Wangler et al.	10/7/1997	
5,684,575	Steen	11/4/1997	
5,687,727	Kraus et al.	11/18/1997	
5,690,895	Matsumoto et al.	11/25/1997	
5,691,133	Critser et al.	11/25/1997	
5,693,534	Alak et al.	12/00/1997	
5,700,692	Sweet	12/23/1997	
5,707,808	Roslaniec et al.	1/13/1998	
5,708,868	Ishikawa, Masarori	1/13/1998	
5,726,364	Van den Engh	3/10/1998	
5,777,732	Hanninen et al.	4/7/1998	
5,780,230	Li et al.	7/14/1998	
5,786,560	Tatah et al.	7/28/1998	
5,793,485	Gourley	8/11/1998	
5,795,767	Lakowicz et al.	6/2/1998	
5,796,112	Ichie	8/18/1998	
5,804,436	Okun et al.	9/8/1998	
5,815,262	Schrof et al.	8/29/1998	
5,819,948	Van den Engh	10/13/1998	
5,824,269	Kosaka et al.	10/20/1998	
5,835,262	Iketaki et al.	11/10/1998	
5,868,767	Farley et al.	2/9/1999	
5,873,254	Arav	02/00/1999	
5,876,942	Cheng et al.	3/2/1999	
5,880,457	Tomiyama et al.	3/9/1999	
5,888,730	Gray et.al.	3/30/1999	
5,891,734	Gill et al.	04/00/1999	
5,895,764	Sklar et al.	4/20/1999	
5,895,922	Ho	4/20/1999	
5,899,848	Haubrich	5/4/1999	
5,912,257	Prasad et al.	6/15/1999	
5,916,144	Prather et al.	6/29/1999	
5,916,449	Elhwart et al.	6/29/1999	
5,919,621	Brown	7/6/1999	
5,985,216	Rens et al.	11/16/1999	
5,985,538	Stachecju	11/00/1999	
6,002,471	Quake	12/14/1999	
6,050,935	Ranoux et al.	04/00/2000	
6,071,689	Seidel et al.	6/6/2000	
6,087,352	Trout	7/11/2000	
6,117,068	Gourley et al.	9/12/2000	
6,119,465	Mullens et al.	9/18/2000	
6,119,465	Mullens et al.	09/0/2000	
6,133,044	Van den Engh	10/17/2000	
6,140,121	Ellington et al.	10/00/2000	
6,149,867	Seidel et al.	11/21/2000	
6,153,373	Benjamin et al.	11/28/2000	

6,154,276	Mariella Jr.	11/28/2000	
6,175,409	Nielsen et al.	1/16/2001	
6,177,277	Soini	1/23/2001	
6,238,920	Nagai et al.	5/29/2001	
6,248,590	Malachowski	6/19/2001	
6,263,745	Buchanan et al.	7/24/2001	
6,283,920	Eberle et al.	09/00/2001	
6,357,307	Buchanan et al.	03/1920/02	
6,372,422	Seidel, et al.	4/16/2002	
6,411,835	Modell et al.	6/25/2002	
6,463,314	Haruna	10/8/2002	
6,489,092	Benjamin et al.	12/3/2002	
6,524,860	Seidel et al.	2/25/2003	
6,528,802	Karsten et al.	3/4/2003	
6,534,308	Palsson et al.	3/18/2003	
6,537,829	Zarling et al.	3/25/2003	
6,577,387	Ross, III et al.	6/10/2003	
6,590,911	Spinelli et al.	7/8/2003	
6,604,435	Buchanan et al.	8/12/2003	
6,617,107	Dean	9/9/2003	
6,618,679	Loehrlein et al.	9/9/2003	
6,642,018	Koller et al.	11/4/2003	
6,667,830	Iketaki et al.	12/23/2003	
6,671,044	Ortyn et al.	12/30/2003	
6,673,095	Nordquist	1/6/2004	
6,704,313	De Resende, A. et al	4/6/1999	
6,782,768	Buchanan et al.	8/31/2004	
6,819,411	Sharpe et al.	11/16/2004	

II. FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	Foreign Patent Document Country Code, Number, Kind Code (if known)	PATENTEE OR APPLICANT NAME	PUB'NDATE mm-dd-yyyy	TRANSLATION Yes No	
	BR 9704313	Alves, E.	6/4/1999		
	DE 195 49 015 C1	GSF - Forschungszentrum	4/3/1997		
	DE 198 82 943.3	CSURF	2/1/2001		
	DE 69028526	USA represented by Secretary of US Dept. of Commerce, Washington DC US	2/6/1997		
	EP 0 538 786 A	Serra Piero	4/28/1993		
	EP 0025296A2	Ortho Diagnostic Systems, Inc.	03/18/1981		
	EP 0071538 A1	Cassou Robert	2/9/1983		
	EP 0160201A2	Becton Dickinson & Co.			
	EP 0189702 A1	Cassou Maurice	8/8/1986		
	EP 0276166A2	Donaldson, Lloyd E.	7/27/1988		
	EP 0288029B1	Hitachi, LTD	4/20/1988		
	EP 0461618	Becton Dickinson	12/18/1991		
	EP 0468100A1	TOA Medical Electronics Co., LTD	1/29/1992		
	EP 0570102 A1	Ovamed Corporation	3/31/1993		
	EP 1 403 633 A3	Becton Dickinson and company	4/7/2004		
	EP 606847 A2	National Institute of Animal Husbandry (JP)	7/20/1994		
	EP0781985A3	SIEMENS AKTIENGESELLSCH AFT	7/8/1998		
	EP1250897 A1	Iberica de Reproduccion Asstida S.L.	10/23/2002		
	EP-A-0 366794	Terumo, K.K.	5/9/1990		
	EP-A-0 478155	Ovamed Corporation	1/28/1998		
	FR 2 647 668 A	Medizin Labortechnik Veb K.	12/7/1990		
	FR 2574656 A1	Cassou Robert et al.	6/20/1986		
	FR 2689678-A1	Union Stes Coop Agricoles	6/24/1994		
	FR-A-2 635453	Laboratoire Ingenor	2/23/1990		
	GB0030480.1	BESTFOODS	1/24/2001		
	JP2024535	Canon, Inc.	1/26/1990		
	JP4126064 (A)	Nitto Shokia: K.K.	4/27/1992		

	JP4126065 (A)	Okonogi, Saburo	4/27/1992		
	JP4126066 (A)	P C C Technol. K.K.	4/27/1992		
	JP4126079 (A)	Diawa Kasei K.K.	4/27/1992		
	JP4126080 (A)	Udaka Juzo	4/27/1992		
	JP4126081 (A)	Technol KK	4/27/1992		
	JP61139747 (A)	Canon Inc.	6/27/1986		
	JP61159135 (A)	Canon, Inc.	7/18/1986		
	SU1056008	Stepanov Sergej, (USSR)	11/23/1983		
	SU1260778-A1	TSNI Rentgeno- Radiologicheskij Institute (USSR)	9/30/1986		
	WO 00/06193 A1	CSURF	2/10/2000		
	WO 01/37655 A1	XY INC.	5/31/2001		
	WO 01/40765 A2	XY INC.	6/7/2001		
	WO 01/40765 A3 (search report)	XY INC.	6/7/2001		
	WO 01/51612 A1	Istituto Sperimentale Italiano "Lazzaro Spallanzani"	7/19/2001		
	WO 01/85913 A2	XY INC.	11/15/2001		
	WO 01/85913 A3	XY INC.	11/15/2001		
	WO 01/90295 A1	CYTOMATION, INC.	11/29/2001		
	WO 01/95815 A1	XY INC.	12/20/2001		
	WO 02/19943 A1	UNIVERSITEIT GENT	3/14/2002		
	WO 02/28311 A2	XY INC.	4/11/2002		
	WO 02/43486 A1	XY INC.	6/6/2002		
	WO 02/43574 A2	XY INC.	6/6/2002		
	WO 04/009237 A1	XY, Inc.	1/29/2004		
	WO 04/012837 A1	XY, Inc.	2/12/2004		
	WO 04/017041 A1	XY INC.	2/26/2004		
	WO 04/024227 A1	XY, Inc.	3/25/2004		
	WO 04/104178 A1	XY, Inc.	12/2/2004		
	WO 2004/087177 A1	Monsanto Technology LLC	10/14/2004		
	WO 2004/088283 A2	Monsanto Technology LLC	10/14/2004		
	WO 88/07198	Coulter Electronics, Inc.	9/22/1988		
	WO 90/13315 A1	CYTOGAM, INC	11/15/1990		
	WO 96/12171 A2	University of Washington Van Den Engh, Ger	4/25/1996		
	WO 96/31764	ALFA LAVAL AGRI AB	10/10/1996		
	WO 98/34094 A1	The Horticulture and Food Research Institute	8/6/1998		
	WO 98/48259	Fraun-Hofer- Gesellschaft Zur Forderung Der angewandten Forschung E.V.	10/29/1998		

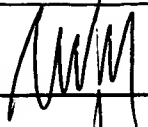
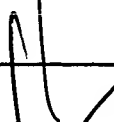


WO 99/05504 A2	The USA as represented by the Secretary of Agriculture	2/4/1999		
WO 99/38883 A1	XY, Inc.	8/5/1999		
WO 99/42810 A1	Colorado State University through its agent Colorado State University Research Foundation	8/26/1999		
WO 99/44037 A1	Cytomation, Inc	9/2/1999		

III. OTHER REFERENCES

EXAMINER INITIAL	Document
W	Abdel-Ghaffar, A. E., et al., "Rabbit Semen Metabolism" in Rabbit Production in Hot Climates" Baselga and Marai (eds); International Conference of Rabbit Production in Hot Climates 1994, p305-312
	Akhtar, S., et al., "Prevalence of Five Stereotypes of Bluetongue Virus in a Rambouillet Sheep Flock in Pakistan", Veterinary Record 136, p. 495. (1995)
	Aldrich, S. L., et al., "Parturition and Periparturient Reproductive and Metabolic Hormone Concentration in Prenatally Androgenized Beef Heifers", J. Anim. Sci. 73:3712. (1995)
	Amann, R. P. et al., "Issues Affecting Commercialization of Sexed Sperm" Therio. 52:1441. (1999)
	Amann, R. P., et al. "Prospects For Sexing Mammalian Sperm," Animal Reproduction Laboratory College of Veterinary Medicine and Biomedical Sciences, Colorado State University. (1982)
	Amann, R.P. "Fertilizing Potential Vitro of Semen from Young Beef Bulls Containing a High or Low Percentage of Sperm with a Proximal Droplet" Theriogenology 54: 1499-1515, 2000
	Amann, Rupert P. "Cryopreservation of Sperm" 1999, Encyclopedia of Reproduction 1:733-783
	American Meat and Science Association in Cooperation with National Livestock and Meat Board, "Research Guidelines for Cookery and Sensory Evaluation and Instrumental Tenderness Measurements for Fresh Meat". (1995)
	Amoah, E. A. and Gelaye, S., "Biotechnological Advances in Goat Reproduction", J. Anim. Sci. 75(2): 578-585. (1996)
	Anderson, V. K., et al., Intrauterine und tiefzervikale Insemination mit Gefriersperma beim Schaf (Intrauterine and Deep Cervical Insemination With Frozen Semen in Sheep). Zuchthygiene 8:113-118. (1973)
	Asbury, Charles A. "Fluorescence Spectra of DNA Dyes Measured in a Flow Cytometer," University of Washington 02/19/1996
	Bagley, C. P. "Nutritional Management of Replacement Beef Heifers: a Review" J. Anim. Science 71:3155-3163. (1993)
	Bailey, C. M. et al., "Nulliparous Versus Primiparous Crossbred Females for Beef", J. Anim. Sci. 69:1403. (1991)
	Baker, R.D., et al., "Effect of Volume of Semen, Number of Sperm and Drugs on Transport of Sperm in Artificially Inseminated Gilts", J. Anim. Sci. 27:88-93. (1968)
	Bakker Schut, Tom C. "A New Principle of Cell Sorting by Using Selective Electroporation in a Modified Flow Cytometry," University of Twente, 03/10/1990.
	Barnes, F. L. and Eyestone, W. H., "Early Cleavage and the Maternal Zygotic Transition in Bovine Embryos", Therio. Vol. 33, No. 1, pp. 141-149. (1990)
	Batellier, F. et al., "Advances in Cooled Semen Technology" Animal Reproduction Science 68 p. 181-190 (2001)
	Becker, S.E. and Johnson, A. L. "Effects of Gonadotropin-Releasing Hormone Infused in a Pulsatile or Continuous Fashion on Serum Gonadotropin Concentrations and Ovulation in the Mare", J. Anim. Sci. 70:1208-1215. (1992)
	Bedford, S. J. and Hinrichs, K., "The Effect of Insemination Volume on Pregnancy Rates of Pony Mares", Therio. 42:571-578. (1994)
	Bellows, R. A., et al., "Cause and Effect Relationships Associated With Calving Difficulty and Calf Birth Weight", J. Anim. Sci. 33:407. (1971)
	Berardinelli, J. G., et al., "Source of Progesterone Prior to Puberty in Beef Heifers". J. Anim. Sci. 49:1276. (1979)
	Berger, G. S. "Intratubal Insemination", Fertil. Steril. 48:328-330, (1987)




	Bergfeld, E. G., et al., "Ovarian Follicular Development in Prepubertal Heifers is Influenced by Level of Dietary Energy Intake", Bio. of Repro. 51:1051. (1994)
	Berry, B. W., et al., "Beef Carcass Maturity Indicators and Palatability Attributes", J. Anim. Sci. 38:507 (1974)
	Beyhan, Z., et al., "Sexual Dimorphism in IVF Bovine Embryos Produced by Sperm Sorted by High Speed Flow Cytometry", abstr. Therio. 49(1): 359 (1998)
	Beyhan, Z., Et Al., 1999 Sexual Dimorphism In IVM-IVF Bovine Embryos Produced from X and Y Chromosome-Bearing Spermatozoa Sorted By High Speed Flow Cytometry. Theriogenology. 52: 35-48
	BigosBigos, Martin "Nine Color Eleven Parameter Immunophenotyping Using Three Laser Flow Cytometry," Stanford University 12/22/1998.
	Bioxcell, Bovine Sperm Preservation, Advertisement 06/28/2005
	Bond, J., et al., "Growth and Carcass Traits of Open Beef Heifers Versus Beef Heifers That Have Calved", Nutrition Reports International 34:621. 1986
	Borini et al. Cryopreservation of Mature Oocytes: The use of a trypsin inhibitor enhances fertilization and obtained embryos rates, Fertil. Steril. (1997), Vol 68 (Suppl.)
	Boucque, C. V., et al., "Beef-Production With Maiden and Once-Calved Heifers", Livestock Prod. Sci. 7:121. 1980
	Bourdon, R. M. and J. S. Brinks. "Simulated Efficiency of Range Beef --Production III. Culling Strategies and Nontraditional Management-Systems", J. Anim. Sci. 65:963. 1987
	Bracher, V. and Allen, W.R., "Videoendoscopic Examination of the Mare's Uterus: I. Findings in Normal Fertile Mares", Equine Veterinary Journal, Vol. 24, p. 274-278. 1992
	Branscomb, D. P., The LLNL high-speed sorter: Design features, operational characteristics, and bioical utility, Cyometry, 6:290-301 (1985)
	Braselton, W. E. and McShan, W. H., "Purification and Properties of Follicle Stimulating and Luteinizing Hormones From Horse Pituitary Glands" Arch. Biochem. Biophys. 139:45-48. 1970
	Braun, J. et al, "Effect of Different Protein Supplements on Motility and Plasma Membrane Integrity of Frozen- Thawed Stallion Spermatozoa", Cryobiology (1995) 32:487-492
	Brethour, J. R. and Jaeger, J. R., "The Single Calf Heifer System", Kansas Agric. Sta. Rep of Progress 570. 1989.
	Brinsko, S.P. et al., "Artificial Insemination and Preservation of Semen." VETERINARY CLINICS OF NORTH AMERICA:EQUINE PRACTICE VOL. 8 NUM.1 APRIL 1992 PAGES 205-218.
	Bristol, F. "Breeding Behavior of a Stallion at Pasture With 20 Mares in Synchronized Oestrus" J. Reprod. Fertil. Suppl. 32:71. 1982
	Brookes, A. J. and O'Byrne, M., "Use of Cow-Heifers in Beef Production" J. of the Royal Agricultural Society of England 126:30. 1965
	Buchanan, B. R., et al, "Insemination of Mares with Low Numbers of Either Unsexed or Sexed Spermatozoa", Therio. Vol. 53, p. 1333-1344. 2000
	Buchanan, B.R. " Pregnancy Rates in Mares Following a Single Insemination with a Low Number of Spermatozoa into the Tip of the Uterine Horn" Theriogenology Page 395
	Burns, P. D. and Spitzer, J.C., "Influence of Biostimulation on Reproduction in Postpartum Beef-Cows", J. Anim. Sci. 70:358. 1992
	Burwash, L. D., et al., "Relationship of Duration of Estrus to Pregnancy Rate in Normally Cycling, Non Lactating Mares" J.A.V.M.A. 165:714-716. 1974
	Byerley, D. J., et al., "Pregnancy Rates of Beef Heifers Bred Either on Puberal or Third Estrus". J Anim. Sci. 65:645. 1987
	Caslick, E. A., "The Vulva and the Vulvo-Vaginal Orifice and its Relation to Genital Health of the Thoroughbred Mare", Cornell Veterinarian, Vol. 27, p.178-187. 1937
	Catt, et al., "Assessment of Ram and Boar Spermatozoa During Cell-Sorting by Flow Cytometry", Reproduction Dom Animal, Vol. 32, pp 251-258. 1997

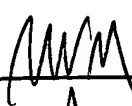

	Catt, S. L., et al., "Birth of a Male Lamb Derived from an In Vitro Matured Oocyte Fertilized by Intracytoplasmic Injection of a Single Presumptive Male Sperm", Veterinary Record 139, p: 494-495. 1996
	Cave-Penney, Tony, "Sexed Semen Offers Faster Genetic Gain", Farming News, Livestock Supplement, February 1997, p. 28.
	Celestron: Telescope Basics: www.celestron.com/tb-2ref/htm ; 4 pages
	Cf. Milovanov V.K. "Biology of reproduction and artificial Insemination of animals". Moscow, Izdatelstvo Selskokhoziastvennoi Literatry, 1962, pp. 392-619
	Chandler, J. E., "Videomicroscopic Comparison of Bull Sperm and Leukocyte Chromosome Areas as Related to Gender", J Dairy Sci 73, p. 2129-2135. 1990
	Chandler, J. E., et al, "Bovine Spermatozoal Head Size Variation and Evaluation of a Separation Technique Based on this Size", Therio. 52, p. 1021-1034. 1999
	Chen, S.H. " Effects of Oocyte Activation and Treatment of Spermatozoa on Embryonic Development Following Intracytoplasmic Sperm Injection in Cattle" Theriogenology 48: 1265-1273, 1997
	Chen, Y. et al., Survival of Bull Spermatozoa Seeded and Frozen at Different Rates in Egg Yolk-Tris and Whole Milk Extenders, 1993 J Dairy Sci 76:1028-1034
	Chin, W. W. and Boime, I. 1990. In Glycoprotein Hormones. Serona Symp. Norwell, MA. pp.19-20
	Choi, Y.H. " Developmental Capacity of Equine Oocytes Matured and Cultured in Equine Trophoblast-Conditioned Media" Theriogenology 56: 320-339, 2001
	Chung, Y. G., et al. "Artificial insemination of Superovulated Heifers With 600,000 Sexed Sperm". J Anim. Sci. Suppl. 1. 836:215. 1998 abstr.
	Clement, F., et al., "Which Insemination Fertilizes When Several Successive Inseminations are Performed Before Ovulation" 7th Int. Symp. Eq. Repro. 151. 1998 abstr.
	Cran et al. The predetermination of embryonic sex using flow cytometrically separated X and Y spermatozoa, Human Reproduction Update 1996, Vol. 2, No. 4 pp 355-363
	Cran, D. G., et al. "Production of Lambs by Low Dose Intrauterine Insemination With Flow Cytometrically Sorted and Unsorted Semen", Therio. p. 267. 1997
	Cran, D. G., et al., "Sex Preselected in Cattle: A Field Trial", Veterinary Record 136, 1995, p. 495-496
	Cran, D. G., et al., "Production of Bovine Calves Following Separation of X- and Y-Chromosome Bearing Sperm and In Vitro Fertilization". Vet. Rec. 132:40-41. 1993
	Cran, D. G., et al., "The Predetermination of Embryonic Sex Using Flow Cytometrically Separated X and Y Spermatozoa" Human Reproduction Update 1996, Vol. 2 (4) p. 355-63
	Crowley, J. P. "The facts of Once-Bred Heifer Production" School of Agric., Univ. of Aberdeen, Scotland. 1973
	Cui, K. et al, "X Larger than Y", Nature 366, p. 177-118, 1993
	Cui, K., "Size Differences Between Human X and Y Spermatozoa and Prefertilization Diagnosis", Molecular Human Reproduction, Vol. 3, No. 1, pp. 61-67. 1997
	Curran, S. "Fetal Gender Determination" in <u>Equine Diagnostic Ultrasonography</u> 1st ed. Rantanen, N.W. and McKinnon A.O. (eds.) Williams and Williams, 1998, p. 165-69
	da Silva, Coutinho M.A.." Effect of time of oocyte collection and site of insemination on oocyte transfer in mares." Animal Reproduction and Biotechnology Laboratory, Colorado State University, Fort Collins Journal of Animal Science 2002. 80:1275-1279
	DakoCytomation, "MoFlo® Sorters" http://www.dakocytomation.us/prod_productrelatedinformation?url=gprod_moflo_index.htm one page, printed 06/26/2003
	Day, B. N., et al. "Birth of Piglets Preselected for Gender Following In Vitro Fertilization of In Vitro Matured Pig Oocytes by X and Y Bearing Spermatozoa Sorted by High Speed Flow Cytometry. Therio. 49(1): 360. 1998 abstr.
	Dean, P.N., et al. "Hydrodynamic Orientation of Spermatozoa Heads for Flow Cytometry". Biophys. J. 23:7-13. 1978

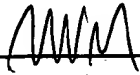

	Demick, D.S., et al. "Effect of Cooling, Storage, Glycerization and Spermatozoal Numbers on Equine Fertility" J. Anim. Sci. 43:633-637. 1976
	DenDaas, J. H. G., et al. "The relationship between the number of spermatozoa inseminated and the reproductive efficiency of dairy bulls" J Dairy Sci. 81: 1714-1723. 1998
	Denham, A. "In-vitro studies on Sandhill Range Forage as Related to Cattle Preference", M.S. Thesis. Colorado State University. 1965
	Denk, Winfried. "Two-Photon Molecular Excitation in Laser-Scanning Microscopy," Handbook of Biological Confocal Microscopy. 1995
	Deutscher, G. H. "Extending Interval From Seventeen to Nineteen Days in the Melengestrol Acetate-Prostaglandin Estrous Synchronization Program for Heifers". The Professional Animal Scientist 16:164. 2000
	Dhali et al. Vitrification of Buffalo (Bubalus Bubalis) Oocytes, Embryo Theriogenology Vol 53, pp 1295-1303 (2000)
	Diagnostic Products Corporation. "Coat-A-Count" http://www.Progesterone.com . 1998.
	Dikeman, M. E. "Cattle Production Systems to Meet Future Consumer Demands" J. Anim. Sci. 59:1631, 1984
	Dinnyes, A., et al., "Timing of the First Cleavage Post-Insemination Affects Cryosurvival of In Vitro-produced Bovine Blastocysts", Molec. Reprod. Develop. 53, p 318-324. 1999
	Dippert, K.D. "Fertilization Rates in Superovulated and Spontaneously Ovulating Mares" Theriogenology 41: 1411-1423, 1994
	Donaldson, L. E., "Effect of Insemination Regimen on Embryo Production in Superovulated Cows", The Veterinary Record, July 13, p. 35-37, 1985
	Donoghue, A.M., et al. "Timing of Ovulation after Gonadotropin Induction and its Importance to Successful Intrauterine Insemination in the Tiger (Panthera tigris)" J. Reprod. Fertil. 107:53-58. 1996
	Douglas, R. H., "Review of Induction of Superovulation and Embryo Transfer in the Equine" Therio. 11:33-46. 1979
	Douglas, R. H., et al. "Induction of Ovulation and Multiple Ovulation on Seasonally-Anovulatory Mares with Equine Pituitary Fractions." Therio. 2(6): 133-142. 1974
	Doyle, S. P., et al. "Artificial Insemination of Lactating Angus Cows with Sexed Semen". Proc. Western Sect. Am. Soc. Anim. Sci. 50:203. 1999
	Dresser D.W. et al. Analysis of DNA content of Living Spermatozoa Using Flow Cytometry Technique" Journal of Reproduction and Fertility, 1993, vol. 98, pp 357-365
	Duchamp, G., et al. "Alternative Solutions to hCG Induction of Ovulation in the Mare" J. Reprod. Fertil. Suppl. 35:221-228. 1987
	Evans, M. J. and Irvine, C. H. G. "Induction of Follicular Development, Maturation and Ovulation by Gonadotropin Releasing Hormone Administration to Acyclic Mares" Bio. Reprod. 16:452-462. 1977
	Ferrell, C. L. "Effects of Post-Weaning Rate of Gain on Onset of Puberty and Productive Performance of Heifers of Different Breeds. J. Anim. Sci. 55:1272. 1982
	Ferrell, C. L. and T. G. Jenkins. "Energy-Utilization by Mature, Nonpregnant, Nonlactating Cows of Different Types" J. Anim. Sci. 58:234. 1984
	Field, R. A., et al., "Bone-Ossification and Carcass Characteristics of Wethers Given Silastic Implants Containing Estradiol", J. Anim. Sci. 68:3663-3668. 1990
	Field, R. et al., "Growth, Carcass, and Tenderness Characteristics of Virgin, Spayed, and Single-Calf Heifers", J. Anim. Sci. 74:2178. 1996
	Fitzgerald, B. P., et al. "Effect of Constant Administration of a Gonadotropin-Releasing Hormone Agonist on Reproductive Activity in Mares: Preliminary Evidence on Suppression of Ovulation During the Breeding Season." Am. J. Vet. Res. 54:1746-1751. 1993
	Fidharty, F. L., et al., "Effects of Age at Weaning and Diet on Growth of Calves", Ohio State University Dept. of Animal Sciences. 1966 Ohio Agri. Res. And Den. Circular, 156:29 1966

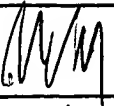
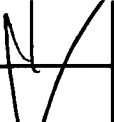
	Foote, et al. Motility and Fertility of Bull Sperm Frozen-Thawed Differently in Egg Yolk and Milk Extenders Containing Detergent, 1987 J Dairy Sci 70:2642-2647
	Foulkes, J. A., et al. "Artificial Insemination of Cattle Using Varying Numbers of Spermatozoa." Vet. Rec. 101:205. 1977
	Francon, M. and Yamamoto, T., "Un Nouveau et tres simple dispositif interferentiel applicable as microscope" Optica Acta 9, p. 395-408.1962
	Fugger, E. F. "Clinical Experience with Flow Cytometric Separation of Human X- and Y-Chromosome Bearing Sperm", Therio. Vol. 52, pp. 1435-1440.1999
	Fuller, Robert R. "Characterizing Submicron Vesicles With Wavelength-Resolved Fluorescence in Flow Cytometry," University of Illinois, 05/13/1996.
	Fulwyler, M. J. "Electronic Separation of Biological Cells by Volume." Science. 150:910. 1965
	Fulwyler, M. J. "Hydrodynamic Orientation of Cells." J of Histochem. and Cytochem. 25:781-783. 1977
	Garner, D. L., et al. "Quantification of the X and Y Chromosome-Bearing Spermatozoa of Domestic Animals by Flow Cytometry." Biol. Reprod. 28:312-321. 1983
	Ginther, O. J., "Sexual Behavior Following Introduction of a Stallion into a Group of Mares" Therio. Vol. 19 (6) June 1983
	Ginther, O. J., "Some Factors Which Alter Estrus Cycle in Mares." J. Anim. Sci. 33:1158. 1971 abstr.
	Ginther, O. J., Reproductive Biology of the Mare. (2nd Ed.) Equiservices, Cross Plains, WI. 1992
	Gledhill, B. L. "Gender Preselection: Historical, Technical and Ethical Perspective." Semen Reprod. Endocrinol. 6:385-395. 1988
	Gombe, S. and Hansel, W. "Plasma Luteinizing Hormone (LH) and Progesterone Levels in Heifers on Restricted Energy Intakes." J. Anim. Sci. 37:728. 1973
	Goppert-Mayer, "Über Elementarakte mit zwei Quantensprungen Von Maria Copper -Mayer"
	Gottlinger et al., "Operation of a Flow Cytometer", Flow Cytometry and Cell Sorting, A. Radbruch (Ed.), 1992, pages 7-23.
	Gourley, D. D. and Riese, R. L. "Laparoscopic Artificial Insemination in Sheep." Vet. Clin. N. Amer. Food Anim. Prac. 6(3): 615-633 (1990)
	Graham, J. "Analysis of Stallion semen and its Relation to Fertility. ABSTRACT
	Graham, James K., "Effect of Cholesterol-Loaded Cyclodextrins in Semen Extenders", Proceedings of the 19th Technical Conference on Artificial Insemination & Reproduction, 2003, pp. 91-95.
	Gravert, H. O., "Genetic Aspects of Early Calving." In: J.C. Taylor (Ed.) <u>The Early Calving of Heifers and Its Impact on Beef Production</u> . 59 (1975)
	Gregory, K. E., et al., "Characterization of Biological Types of Cattle - Cycle III: II Growth Rate and Puberty in Females" J. Anim. Sci. 49:461 (1979)
	Grimes, I. F. and T. B. Turner. "Early Weaning of Fall Born Calves II. Post Weaning Performance of Early and Normal Weaned Calves". I. Prod. Agric. 4:168 (1991)
	Grondahl, C., et al, "In Vitro Production of Equine Embryos", Biology of Reproduction, Monograph Series I, p. 299-307 (1995)
	Guillou, F. and Combarnous, Y. "Purification of Equine Gonadotropins and Comparative Study of Their Acid-Dissociation and Receptor-Binding Specificity." Biochemica Et Biophysica Acta 755:229-236 (1983)
	Gurnsey, M. P., and Johnson, L.A., "Recent Improvements in Efficiency of Flow Cytometric Sorting of X and Y-Chromosome Bering Sperm of Domestic Animals: a Review" New Zealand Society of Animal Protection, three pages (1998)
	Hall, J. B., et al., "Effect of Age and Pattern of Gain on Induction of Puberty with a Progestin in Beef Heifers." J. Anim. Sci. 75:1606 (1997)
	Hamamatsu Photonics K.K. Electronic Tube Center, Photomultiplier Tubes, Brochure Dec. 1997

	Hamamatsu. "Photomultiplier Tubes," web page. http://www.optics.org/hamamatsu/pmt.html . Printed on 4/15/00 4
	Hamamatsu. "Technical Information, Optical Detector Selection: A Delicate Balancing Act", web page. http://www.optics.org/hamamatsu/photodiode.html , printed on 4/15/00, 6 pages total.
	Hamano, K., et al., "Gender Preselection in Cattle with Intracytoplasmically Injected, Flow Cytometrically Sorted Sperm Heads", <i>Biology of Reproduction</i> 60, p. 1194-1197 (1999)
	Harrison, L.A., et al., "Comparison of HCG, Buserelin and Luprostiol for Induction of Ovulation in Cycling Mares." <i>Eq. Vet. Sci.</i> 3:163-166 (1991)
	Harte, F. J. "System of Production of Beef From Once Calved Heifers." In: J.C. Taylor (Ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . 123 (1975)
	Hawk, H. W., et al., "Fertilization Rates in Superovulating Cows After Deposition of Semen on the Infundibulum Near the Uterotubal Junction or After Insemination with High Numbers of Sperm", <i>XP-002103478, Therio. Vol. 29, No. 5, p. 1131-1142</i> (1988)
	Hermesmeier, G. N., et al. "Effects of Prenatal Androgenization and Implantation on the Performance and Carcass Composition of Lactating Heifers in the Single-Calf Heifer System." <i>The Professional Animal Scientist</i> 15:173. 1999
	Hermesmeier, G.N., et al. "Effects of Lactation and Prenatal Androgenization on the Performance, Carcass Composition, and Longissimus muscle sensory characteristics of heifers in the single-calf heifer system. <i>The Professional Animal Scientist</i> 15: 14-23
	Herweijer, Hans. "High-Speed Photodamage Cell Selection Using Bromodeoxyuridine/Hoechst 33342 Photosensitized Cell Killing," 09/23/1987.
	Herzenberg, Leonard A. "Fluorescence-activated Cell Sorting," pages 108-117.
	Hilton, G. G., et al., "An Evaluation of Current and Alternative Systems for Quality Grading Carcasses of Mature Slaughter Cows." <i>J. Anim. Sci.</i> 76:2094. 1998
	Ho, L., et al., "Influence of Gender, Breed and Age on Maturity Characteristics of Sheep." <i>J. Anim. Sci.</i> 67:2460-2470. 1989
	Hofferer, S., et al. "Induction of Ovulation and Superovulation in Mares Using Equine LH and FSH Separated by Hydrophobic Interaction Chromatography." <i>J. Reprod. Fertil.</i> 98:597-602. 1993
	Hohenboken, W. D. "Applications of sexed semen in cattle production." <i>Therio.</i> 52:1421. 1999
	Hollinshead F. K. et al. "Production of lambs of predetermined sex after the insemination of ewes with low numbers of frozen-thawed sorted X- or Y- Chromosome-bearing spermatozoa", <i>Reprod. Fertil. And Develop.</i> 2002, vol. 14, pp 503-508
	Hollinshead F. K. et al. "Sex-Sorting and Re-cryopreservation of Frozen-Thawed Ram Sperm for In Vitro Embryo Production" <i>Theriogenology</i> , Vol. 59. (2003) pp. 209
	Hollinshead, F.K. et al. "In vitro and in vivo assessment of functional capacity of flow cytometrically sorted ram spermatozoa after freezing and thawing." <i>Reprod. Fertil. And Develop.</i> 2003. Vol 15, pp 351-359
	Holtan, D. W., et al., "Estrus, Ovulation and Conception Following Synchronization With Progesterone, Prostaglandin F2a and Human Chorionic Gonadotropin in Pony Mares." <i>J. Anim. Sci.</i> 44:431-437. 1977
	Horan, Paul K. "Quantitative Single Cell Analysis and Sorting, Rapid Analysis and sorting of cells is emerging as an important new technology in research and medicine."
	Householder, D. D., et al. "Effect of Extender, Number of Spermatozoa and hCG on Equine Fertility." <i>J. Equine Vet. Sci.</i> 1:9-13. 1981
	Howard, J. G., et al., "Comparative Semen Cryopreservation in Ferrets (<i>Mustela putorius furo</i>) and Pregnancies After Laparoscopic Intrauterine Insemination With Frozen-Thawed Spermatozoa." <i>J. Reprod. Fertil.</i> 92:109-118. 1991

	Howard, J. G., et al., "Sensitivity to Exogenous Gonadotropins for Ovulation and Laparoscopic Artificial Insemination in the Cheetah and Clouded Leopard." Biol. Reprod. 56:1059-1068. 1997
	Hunter, R. H. F. "Transport and Storage of Spermatozoa in the Female Tract." Proc 4th Int. Congress Anim. Repro. and A. I. 9:227-233. 1980
	Hyland, J. H., et al., "Gonadotropin Releasing Hormone (GnRH) Delivered by Continuous Infusion Induces Fertile Estrus in Mares During Seasonal Acyclicity" Proceedings of the Annual Convention of the American Association of Equine Practitioners (34th) 989, p. 181-190
	IMV Technologies, Protocol of Bioxcell with Fresh Semen, 1 page, 2000
	IMV Technologies, Protocol of Bioxcell with Frozen Semen, 2 pages, 2000
	Irvine, C H. G. and Alexander, S. L. "GnRH" Chapter 4 in Equine Reproduction, McKinnon and Voss eds. Lea and Febiger. Philadelphia, London. p. 37. (1993)
	Iwazumi, Y., et al., "Superovulation Using CIDR in Holstein Cows" J. of Reprod. Dev. Vol. 40 (3) 1994, pp259-66
	Jafar, et al., "Sex Selection in Mammals: A Review", Therio. Vol. 46, p 191-200. (1996)
	Jakubiczka, S. et al. "A Bovine Homologue of the Human TSPY Gene." Genomics. 1993, Vol 17, No. 3, pp 732-735
	Jarriage, R. "Age of Cows at First Calving in France." In: J.C. Taylor (Ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . 10. (1975)
	Jasko, D. J., et al., "Effect of Insemination Volume and Concentration of Spermatozoa on Embryo Recovery in Mares", Therio. 37:1233-1239, (1992)
	Jasko, D. J., et al., "Pregnancy Rates Utilizing Fresh, Cooled and Frozen-Thawed Stallion Semen", American Association of Equine Practitioners 38th Annual Convention Proceedings, 1992, p. 649-60
	Johnson, A. L. "Pulsatile Administration of Gonadotropin Releasing Hormone Advances Ovulation in Cycling Mares", Biol. Reprod. 35:1123 - 1130. (1986)
	Johnson, A. L., et al. "Use of Gonadotropin-Releasing Hormone (GnRH) Treatment to Induce Multiple Ovulations in the Anestrous Mare" Eq. Vet. Sci. 8:130-134, (1988)
	Johnson, L. A., et al. The Beltsville Sperm Sexing Technology: High-speed sperm sorting gives improved sperm output for In Vitro fertiliation and AI, Journal of Animal Science, Vol. 77, Suppl 2/J, Dairy Sci. Vol. 82, Suppl. 2/1999 pp 213-220
	Johnson, L.A., "Flow Cytometric Determination of Spermatozoa Sex Ratio in Semen Purportedly Enriched for X or Y Bearing Spermatozoa", Therio. 29:265 abstr.
	Johnson, L.A., "Gender Preselection in Domestic Animals Using Flow Cytometrically Sorted Sperm" J. Anim. Sci. (Suppl I) 70:8-18. (1992)
	Johnson, L.A., "The Safety of Sperm Selection by Flow Cytometry" Ham. Reprod. 9(5): 758. (1994)
	Johnson, L.A., "Advances in Gender Preselection in Swine" Journal of Reproduction and Fertility Supplement, Vol. 52, p. 255-266 (1997)
	Johnson, L.A., "Gender Preselection in Humans? Flow Cytometric Separation of X and Y Spermatozoa for the Prevention of X-Linked Diseases" Human Reproduction vol.8 no.10, p. 1733-1739 (1993)
	Johnson, L.A., "Gender Preselection in Mammals: An Overview", Deutsch. Tierarztl. Wschr, Vol. 103, p. 288-291 (1996)
	Johnson, L.A., "Isolation of X- and Y-Bearing Spermatozoa for Sex Preselection." Oxford Reviews of Reproductive Biology. Ed. H. H. Charlton. Oxford University Press. 303-326. (1994)
	Johnson, L.A., "Sex Preselection by Flow Cytometric Separation of X and Y Chromosome Bearing Spermatozoa Based on DNA Difference: a Review." Reprod. Fertil. Dev. 7:893-903. (1995)
	Johnson, L.A., "Sex Preselection in Rabbits: Live Births from X and Y Sperm Separated by DNA and Cell Sorting", Biology of Reproduction 41, pp. 199-203 (1989)

	Johnson, L.A., "Sex Preselection in Swine: Altered Sex Ratios in Offspring Following Surgical Insemination of Flow Sorted X- and Y- Bearing Sperm", <i>Reproduction in Domestic Animals</i> , Vol. 26, pp. 309-314 (1991).
	Johnson, L.A., "Sex Preselection in Swine: Flow Cytometric Sorting of X- and Y- Chromosome Bearing Sperm to Produce Offspring", <i>Boar Semen Preservation IV</i> , p. 107-114. (2000)
	Johnson, L.A., "Successful Gender Preselection in Farm Animals", <i>Agricultural Biotechnology</i> , p. 439-452. (1998)
	Johnson, L.A., et al. "Sex Preselection: High-speed Flow Cytometric Sorting of X and Y Sperm for Maximum Efficiency", <i>Therio</i> . Vol. 52, p. 1323-1341 (1999)
	Johnson, L.A., et al., "Enhanced Flow Cytometric Sorting of Mammalian X and Y Sperm: High Speed sorting and Orienting Nozzle for Artificial Insemination", <i>Therio</i> . 49(1): 361 (1988) abstr.
	Johnson, L.A., et al., "Flow Sorting of X and Y Chromosome-Bearing Spermatozoa into Two Populations", <i>Gamete Res.</i> 16:203-212. (1987)
	Johnson, L.A., et al., "Improved Flow Sorting Resolution of X- and Y-Chromosome Bearing Viable Sperm Separation Using Dual Staining and Dead Cell Gating" <i>Cytometry</i> 17 (suppl 7): 83, (1994)
	Johnson, L.A., et al., "Flow Cytometry of X- and Y-Chromosome Bearing Sperm for DNA Using an Improved Preparation Method and Staining with Hoechst 33342." <i>Gamete Research</i> 17: 203-212. (1987)
	Johnson, L.A., et al., "Modification of a Laser-Based Flow Cytometer for High-Resolution DNA Analysis of Mammalian Spermatozoa" <i>Cytometry</i> 7, pp 268 - 273 (1986)
	Joseph, R. L. "Carcass composition and meat quality in once calved heifers." In: J.C. Taylor (Ed.) <i>The Early Calving of Heifers and its Impact on Beef Production</i> . 143. (1975)
	Joseph, R. L. and J. P. Crowley. "Meat Quality of Once-Calved Heifers." <i>Irish J. of Agric. Research</i> 10:281. (1971)
	Kachel, V., et al., "Uniform Lateral Orientation, Caused by Flow Forces, of Flat Particles in Flow-Through Systems", <i>The Journal of Histochemistry and Cytochemistry</i> , Vol. 25, No. 7, pp 774 -780. (1997)
	Kanayama, K., et al., "Pregnancy by Means of Tubal Insemination and Subsequent Spontaneous Pregnancy in Rabbits." <i>J. Int. Med. Res.</i> 20:401-405. (1992)
	Karabinus, et al., "Effects of Egg Yolk-Citrate and Milk Extenders on Chromatin Structured Viability of Cryopreserved Bull Sperm", <i>Journal of Dairy Science</i> , Vol. 74, No. 11, p. 3836-3848. (1999)
	Keeling, P. "A Modeling Study of Once-Bred Heifer Beef Production." <i>Proceedings of the New Zealand Society of Animal Production</i> . 51. (1991)
	Kilicarslan, M. R., et al., "Effect of GnRH and hCG on Ovulation and Pregnancy in Mares." <i>Vet. Rec.</i> 139:119-120. (1996)
	Kinder, J. E., et al. "Endocrine Basis for Puberty in Heifers and Ewes." <i>J. Repro. and Fertility</i> , p. 393. (1995)
	Kinder, J. E., et al., "Endocrine Regulation of Puberty in Cows and Ewes." <i>J. Repro. and Fertility</i> , Suppl. 34:167. (1987)
	Kinoshita, Shuichi. "Spectroscopic Properties of Fluorescein in Living Lymphocytes," <i>Osaka University</i> 08/07/1986.
	Klindt, J. and J. D. Crouse. "Effect of Ovariectomy and Ovariectomy with Ovarian Autotransplantation on Feedlot Performance and Carcass Characteristics of Heifers." <i>J. Anim. Sci.</i> 68:3481. (1990)
	Klosterman, E. W. and C. F. Parker. "Effect of Size, Breed and Sex Upon Feed Efficiency in Beef Cattle." <i>North Central Regional Research Publication</i> 235, Ohio Agric. Research and Development Center 1090:3. (1976)
	Kniffen, D. M., et al., "Effects of Long-Term Estrogen Implants in Beef Heifers." <i>J. Anim. Sci.</i> 77:2886. (1999)

	Kobata, Akira, "Structures and Functions of the Sugar Chains of Human Chorionic Gonadotropin", in <u>Glycoprotein Hormones</u> Chin, W.W. and Boime, I., eds. Serono Symposia, Norwell, MA. p. 19-20. 1990
	Koch, R. M., et al., "Characterization of Biological Types of Cattle -Cycle-II .3." Carcass Composition, Quality and Palatability. J. Anim. Sci. 49:448. (1919)
	Kommisrud E., et al. "Comparison of Two Processing Systems for Bull Semen with Regard to Post-Thaw Motility and Nonreturn Rates." Theriogenology, Vol. 45, 1996, pp 1515-1521
	Lapin, D. R. and Ginther, O. J. "Induction of Ovulation and Multiple Ovulations in Seasonally Anovulatory and Ovulatory Mares with an Equine Pituitary Extract." J. Anim. Sci. 44:834-842. (1977)
	Laster, D. B., "Factors Affecting Dystocia and Effects of Dystocia on Subsequent Reproduction in Beef-Cattle." J. Anim. Sci. 36:695. (1973)
	Lawrenz, R. "Preliminary Results of Non-Surgical Intrauterine Insemination of Sheep With Thawed Frozen Semen." J S Afr. Vet. Assoc. 56(2): 61-63. (1985)
	Levinson, G., et al., "DNA-based X-Enriched Sperm Separation as an Adjunct to Preimplantation Genetic Testing for the Preparation of X-linked Disease." Mol. Human Reprod. 10:979-982. (1995)
	Lightwave Electronics, "Xcyte," www.LightwaveElectronics.com
	Lindsey, A. C., et al., "Low Dose Insemination of Mares Using Non-Sorted and Sex-Sorted Sperm" Animal Reproduction Science 68 p. 279-89 (2001)
	Lindsey, A., et al., "Hysteroscopic Insemination of Mares with Nonfrozen Low-dose Unsexed or Sex-sorted Spermatozoa", pp. 1-15 currently unpublished
	Linge, F. "Faltforsok med djupfrost sperma (Field Trials With Frozen Sperm)." Farskotsel. 52:12-13. (1972)
	Liu, Z, et al. "Survival of Bull Sperm Frozen at Different rates in Media Varying in Osmolarity." Cryobiology, Vol. 27, 1998, pp 219-230
	Loneragan, P., et al., "Effect of Time Interval from Insemination to First Cleavage on the Development of Bovine Embryos In Vitro and In Vivo", Therio. p. 326 (1999)
	Long, C.R., et al., "In Vitro Production of Porcine Embryos From Semen Sorted for Sex With a High Speed Cell Sorter: Comparison of Two Fertilization Media." Therio. 49(1): 363 (1998) abstr.
	Loy, R. G. and Hughes, J.P. "The Effects of Human Chorionic Gonadotropin on Ovulation, Length of Estrus, and Fertility in the Mare." Cornell Vet. 56:41-50 (1965)
	Lu, K. H. et al., "In Vitro Fertilization of Bovine Oocytes with Flow-Cytometrically Sorted and Unsorted Sperm from Different Bulls" Therio. abstr.
	Lu, K. H., et al., "In Vitro Fertilization with Flow-Cytometrically-Sorted Bovine Sperm", Therio 52, p. 1393-1405. (1999)
	Lynch, I. M., et al., "Influence of timing of gain on growth and reproductive performance of beef replacement heifers." J. Anim. Sci. 75:1715. (1997)
	Macmillan, K. L. and Day, A.M., "Prostaglandin F2a: A Fertility Drug In Dairy Cattle?", Animal Research Station, Private Bag, Hamilton, New Zealand, Therio. Vol. 18, No. 3, p. 245-253 (1982)
	Manni, Jeff. "To-Photon Excitation Expands the Capabilities of Laser-Scanning Microscopy,"
	Manning, S.T., et al., "Development of Hysteroscopic Insemination of the Uterine Tube in the Mare", Proceedings of the Annual Meeting of the Society for Theriogenology, 1998, p. 84-85.
	Martin, A. H., et al., "Characteristics of Youthful Beef Carcasses in Relation to Weight, Age and Sex. III. Meat Quality Attributes." Canadian J. Anim. Sci. 51:305. (1971)
	Martin, L. C., et al., "Genetic-effects on Beef Heifer Puberty and Subsequent Reproduction." J. Anim. Sci. 70:4006. (1992)
	Martinez, E. A., et al., "Successful Low-Dose Insemination by a Fiberoptic Endoscope Technique in the Sow", Proceedings Annual Conference of the International Embryo Transfer Society, Netherlands, Therio. Vol. 53 p. 201, January 2000

	Matsuda, Y. and Tobari, I. "Chromosomal Analysis in Mouse Eggs Fertilized In Vitro With Sperm Exposed to Ultraviolet Light (UV) and Methyl and Ethyl Methanesulfonate (MMS and EMS)." <i>Mutat. Res.</i> 198:131-144. (1988)
	Matulis, R. J., "Growth and carcass characteristics of cull cows after different times-on-feed." <i>J. Anim. Sci.</i> 65:669. (1987)
	Mauleon, P. "Recent research related to the physiology of puberty." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production.</u> (1975)
	Maxwell, W. M. C., et al., "Fertility of Superovulated Ewes After Intrauterine or Oviductal Insemination with Low Numbers of Fresh or Frozen-Thawed Spermatozoa." <i>Reprod. Fertil. Dev.</i> 5:57-63. (1993)
	Maxwell, W. M. C., et al., "The Relationship Between Membrane Status and Fertility of Boar Spermatozoa After Flow Cytometric Sorting in the Presence or Absence of Seminal Plasma" <i>Reprod. Fertil. Dev.</i> Vol. 10 p. 433-40 (1998)
	Maxwell, W. M. C., et al., "Viability and Membrane Integrity of Spermatozoa after Dilution and Flow Cytometric Sorting in the Presence or Absence of Seminal Plasma." <i>Reprod. Fertil. Dev.</i> 8:1165-78. (1997)
	McCormick, R. J. "The Flexibility of the Collagen Compartment of Muscle." <i>Meat Sci.</i> 36:79. (1994)
	McCue, P.M. "Superovulation" <i>Vet. Clin. N. Amer. Eq. Prac.</i> 12:1-11. (1996)
	McCue, P.M., et al., "Oviductal insemination in the mare." 7th Internat. Symp. Eq. Reprod. 133 (1997) abstr.
	McDonald, L. E. "Hormones of the Pituitary Gland." <i>Veterinary Pharmacology and Therapeutics.</i> 6th ed. Edited by N. H. Booth and L. E. McDonald. Ames, Iowa State Univ. Press. p. 590 (1988)
	McKenna, T. et al., "Nonreturn Rates of Dairy Cattle Following Uterine Body or Cornual Insemination." <i>J. Dairy Sci.</i> 73:1179-1783 (1990)
	McKinnon, A.O. and Voss, J. L. <u>Equine Reproduction.</u> Lea and Febiger. Philadelphia, London (1993)
	McKinnon, A.O., et al., "Predictable Ovulation in Mares Treated With an Implant of the GnRH Analogue Deslorelin." <i>Eq. Vet. J.</i> 25:321-323. (1993)
	McKinnon, A.O., et al., "Repeated Use of a GnRH Analogue Deslorelin (Ovuplant) for Hastening Ovulation in the Transitional Mare." <i>Eq. Vet. J.</i> 29:153-155. (1996)
	McLeod, John H., "The Axicon: A New type of Optical Element", <i>Journal of the Optical Society of America</i> , Vol. 44 No. 8, August 1954, Eastman Kodak Company, Hawk-Eye Works, Rochester, New York.
	McNutt, T. L. et al., "Flow Cytometric Sorting of Sperm: Influence on Fertilization and Embryo/Fetal Development in the Rabbit", <i>Molecular Reproduction and Development</i> , Vol. 43, p 261-267 (1996)
	Meilgaard, M., et al., "Sensor Evaluation Techniques." CRC Press Inc., Boca Raton, FL. (1991)
	Meinert, C., et al., "Advancing the Time of Ovulation in the Mare With a Short-Term Implant Releasing the GnRH Analogue Deslorelin", <i>Equine Veterinary Journal</i> , 25, p 65-68 (1993)
	Melamed et al, "An Historical Review of the Development of Flow Cytometers and Sorters", 1979, pp. 3-9
	Mendes Jr., J.O.B. "Effect of heparin on cleavage rates and embryo production with four bovine sperm preparation protocols" <i>Theriogenology</i> 60 (2003) 331-340
	Menke, E. A Volume Activated Cell Sorter <i>Journal of Histochemistry and Cytochemistry</i> , 1977, vol. 25, No. 7, pp 796-803
	Merton, J., et al., "Effect of Flow Cytometrically Sorted Frozen/Thawed Semen on Success Rate of In Vitro Bovine Embryo Production", <i>Therio.</i> 47, p. 295. (1997)
	Metzeau P. et al. Improvement of Flow Cytometry Analysis and Sorting of Bull Spermatozoa by Optical Monitoring of Cell Orientation as Evaluated by DAN Specific Probing" <i>Molecular Reproduction and Development</i> , 1991, vol. 30 pp 250-257
	Meyers, P. J., et al., "Use of the GnRH Analogue, Deslorelin Acetate, in a Slow Release Implant to Accelerate Ovulation in Oestrous Mares." <i>Vet. Rec.</i> 140:249-252. (1997)

W	Michaels, C., "Beef A. I. Facilities That Work", Proc. Fifth N.A.A.B Tech. Conf. A. I. Reprod. Columbia, MO. pp. 20-22.
	Michel, T. H., et al., "Efficacy of Human Chorionic Gonadotropin and Gonadotropin Releasing Hormone for Hastening Ovulation in Thoroughbred Mares." Eq. Vet. J. 6:438-442. (1986)
	Miller, S. J. "Artificial Breeding Techniques in Sheep." Morrow, D.A. (ed): Current Therapy in Therio 2. Philadelphia, WB Saunders. (1986)
	Mirskaja, L. M. and Petropavloskii, V.V. "The Reduction of Normal Duration of Heat in the Mare by the Administration of Prolan." Probl. Zivotn. Anim. Breed. Abstr. 5:387. (1937)
	Moe, P. W., "Energetics of Body Tissue Mobilization." J. of Dairy Sci. 54:548.
	Molinia, F. C., et al., "Successful Fertilization After Superovulation and Laparoscopic Intrauterine Insemination of the Brushtail Possum Trichosurus vulpecula, and Tammar Wallaby, Macropus eugenii." J. Reprod. Fertil. 112:9-17. (1998)
	Moran, C., et al., "Puberty in Heifers -a Review." Animal Reproduction Sci. 18:167. (1989)
	Moran, D. M. et al., "Determination of Temperature and Cooling Rate Which Induce Cold Shock in Stallion Spermatozoa", Therio. Vol. 38 p. 999-1012 (1992)
	Morcom, C. B. and Dukelow, W.R. "A Research Technique for the Oviductal Insemination of Pigs Using Laparoscopy." Lab. Anim. Sci. p. 1030-1031. (1980)
	Morgan, J. B., et al., "National Beef Tenderness Survey." J. Anim. Sci. 69: 3274. (1991)
	Morris, L. H., et al., "Hysteroscopic Insemination of Small Numbers of Spermatozoa at the Uterotubal Junction of Preovulatory Mares", Journal of Reproduction and Fertility, Vol. 118, pp. 95-100 (2000)
	Morris, S. T., et al., "Biological efficiency: How relevant is this concept to beef cows in a mixed livestock seasonal pasture supply context?" Proceedings of the New Zealand Society of Animal Production 54:333. (1994)
	Moseley, W. M., et al., "Relationship of Growth and Puberty in Beef Heifers Fed Monensin" J. Anim. Sci. Vol. 55 No. 2 p. 357-62 (1982)
	Mount, D. E. "Fibrous and Non-fibrous Carbohydrate Supplementation to Ruminants Grazing Forage From Small Grain Crops." M.S. Thesis. Abstr. Colorado State University. (2000)
	Muller, W. and Gautier, F. "Interactions of Heteroaromatic Compounds with Nucleic Acids." Euro. J Biochem. 54:358. (1975)
	Mullis, K. B. and F. A. Faloona, "Specific Synthesis of DNA in Vitro Via a Polymerase-Catalyzed Chain Reaction" Methods in Enzymology Vol. 155 p. 335-350 (1978)
	Munne, S. "Flow Cytometry Separation of X and Y Spermatozoa Could be Detrimental to Human Embryos", Hum. Reprod. 9(5): 758 (1994)
	Myers, S. E., "Performance and Carcass Traits of Early-Weaned Steers Receiving Either a Pasture Growing Period or a Finishing Diet at Weaning." J. Anim. Sci. 77:311. (1999)
	Myers, S. E., et al., "Comparison of Three Weaning Ages on Cow-Calf Performance and Steer Carcass Traits." J. Anim. Sci. 77:323. (1999)
	Myers, S. E., et al., "Production Systems Comparing Early Weaning to Normal Weaning With or Without Creep Feeding for Beef Steers." J. Anim. Sci. 77:300. (1999)
	Nix, J. P., et al., "Serum Testosterone Concentration, Efficiency of Estrus Detection and Libido Expression in Androgenized Beef Cows." Therio. 49: 1195. (1998)
	Nowshari, et al., "Superovulation of Goats with Purified pFSH Supplemented with Defined Amounts of pLH", Therio. Vol. 43, p. 797-802 (1995)
	NRC. "Nutrient Requirements for Beef Cattle." National Academy of Sci. National Research Council, Washington, DC. (1996)
	O'Brien, Justine K. et al., "Preliminary Developments of Sperm Sorting Technology in Non-human Primates", Biology of Reproduction 2001(Suppl. 1) 64:158.
	Olive, M.D., "Detection of Enterotoxigenic Escherichia coli after Polymerase Chain Reaction Amplification with a Tetrastable DNA Polymerase", J of Clinical Microbiology, Feb 1989 p. 261-265

MM	Olson, S.E. and Seidel, G. E. Jr., "Reduced Oxygen Tension and EDTA improve Bovine Zygote Development in a Chemically Defined Medium", J. of Anim. Sci. 78, pp. 152-157. (2000)
	Owen, J. B. "The Maiden Female-A Means of Increasing Meat Production." Proc. Symp. On the Use of Once Bred Heifers and Gilts. (1973)
	Ozhin F.V. et al. Artificial insemination of farm animals. Moscow, Izdatelstvo Selskokhozyaastvennoi Literatuy, 1961, pp. 350-361 and pp. 380-393
	Pace, M. M. and Sullivan, J. J. "Effect of Timing of Insemination, Numbers of Spermatozoa and Extender Components on Pregnancy Rates in Mares Inseminated with Frozen Stallion Semen." J. Reprod. Fertil. Suppl. 23:115-121.
	Parrish, J. J., et al., "Capacitation of Bovine Sperm by Heparin", Department of Meat and Animal Science, Biology Of Reproduction 38, p 1171-1180 (1988)
	Patterson, D. J., et al., "Estrus Synchronization with an Oral Progestogen Prior to Superovulation of Postpartum Beef Cows" Therio. 48, 1025-33 (1997)
	Peippo, J., et al., "Sex Diagnosis of Equine Preimplantation Embryos Using the Polymerase Chain Reaction", Therio. Vol. 44:619-627 (1995)
	Penfold, L.M. et al., "Comparative Motility of X and Y Chromosome-Bearing Bovine Sperm Separated on the Basis of DNA Content", Mol. Reprod. And Develop. 1998, Vol 50, pp323-327.
	Perry, E. J., "Historical Background" The Artificial Insemination of Farm Animals. 4th ed. E. J. Perry (ed.) New Brunswick, Rutgers University Press, pp. 3-12. (1968)
	Petersen, G. A., et al., "Cow and Calf Performance and Economic-Considerations of Early Weaning of Fall-Born Beef Claves", J. Anim. Sci., 64:15, pp 15-22. (1987)
	Petit, M. "Early Calving in Suckling Herds." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production.</u> p.157-176. (1975)
	Picket B.W., et al., "Livestock Production Science," 1998
	Pickett, B. W. et al., "Factors Influencing the Fertility of Stallion Spermatozoa in an A. I. Program." Proc. 8th International Congress Anim. Reprod. A. I. Krakow, Poland. 4:1049 - 1052. (1976)
	Pickett, B. W., et al., "Effect of Seminal Extenders on Equine Fertility." J. Anim. Sci. 40:1136-1143. (1975)
	Pickett, B. W., et al., "Influence of Seminal Additives and Packaging Systems on Fertility of Bovine Spermatozoa." J. Anim. Sci. Suppl. II. 47:12. (1978)
	Pickett, B. W., et al., "Management of the Mare for Maximum Reproductive Efficiency." CSU Anim. Repro. Lab. Bull. No. 06. Fort Collins CO. (1989)
	Pickett, B. W., et al., "Procedures for Preparation, Collection, Evaluation and Insemination of Stallion Semen." CSU Exp. Sta. Artira. Reprod. Lab. Gen. Series Bull. 935. (1973)
	Pickett, B. W., et al., "Recent Developments in Artificial Insemination in Horses", Livestock Production Science, 40, p 31-36 (1994)
	Pickett, B. W., et al., "The Effect of Extenders, Spermatozoal Numbers and Rectal Palpation on Equine Fertility." Proc. Fifth N.A.A.B Tech. Conf. A. I. Reprod. Columbia, MO. pp. 20-22. (1974)
	Pinkel et al., "Flow Chambers and Sample Handling", Flow Cytometry: Instrumentation and Data Analysis, Van Dilla et al. (Eds.), 1985, pp. 77-128
	Pinkel, D., et al., "Flow Cytometric Determination of the Proportions of X- and Y- Chromosome-Bearing Sperm in Samples of Purportedly Separated Bull Sperm", J. of Anim. Sci., Vol. 60, p 1303 - 1307 (1998)
	Pinkel, D., et al., "High Resolution DNA Content Measurements of Mammalian Sperm", Cytometry 3:1-9. (1982)
	Pinkel, D., et al., "Sex Preselection in Mammals? Separation of Sperm Bearing the Y and "O" Chromosomes in the Vole Microtus Oregoni", Science Vol. 218 p. 904 (1982)
V	Piston, D.W. "Three-dimensionally resolved NAD(P)H cellular metabolic redox imaging of the in situ cornea with two-photon excitation laser scanning microscopy," Journal of Microscopy, Vol. 178, 11/29/1994.

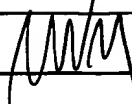
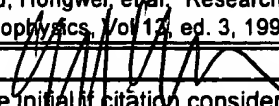
WMM	Polge, E. J., "Historical Perspective of AI: Commercial Methods of Producing Sex Specific Semen, IVF Procedures", Proceedings of the 16th Technical Conference on Artificial Insemination & Reproduction, Cambridge, England, pp. 7-11. (1996)
	Preza, C. et al, "Determination of Direction-Independent Optical Path-Length Distribution of Cells Using Rotational-Diversity Transmitted-Light Differential Interference Contrast (DIC) Images", Presented at the Multidimensional Microscopy: Image Acquisition and Processing V, p. 1-11 (1998)
	Prokofiev M.I. Regoulyatsia Razmnozhentia Selskokhozyastvennykh Zhivotnykh, Leningrad, NAOUKA Publishing House, 1983, pp. 181-195
	Province, C.A., et al., Cooling Rates, Storage, Temperatures and Fertility of Extended Equine Spermatozoa" Therio. Vol. 23 (6) p.925-934, June 1985
	Purvis, H. T. and J. C. Whittier. "Effects of Ionophore Feeding and Anthelmintic Administration on Age and Weight at Puberty in Spring-Born Beef Heifers." J. Anim. Sci. 74:736-744. (1996)
	Randel, R. D. "Nutrition and Postpartum Rebreeding in Cattle." J. Anim. Sci. 68:853. (1990)
	Rath, D., et al., "Low Dose Insemination Technique in the Pig", Boar Semen Preservation IV, p. 115-118. (2000)
	Rath, D., et al., "Production of Piglets Preselected for Sex Following in Vitro Fertilization with X and Y Chromosome-Bearing Spermatozoa Sorted by Flow Cytometry", Therio. 47, p. 795-800 (1997)
	Rathi, R. et al., "Evaluation of In Vitro Capacitation of Stallion Spermatozoa", Biology of Reproduction 2001, Vol. 65, pp. 462-470
	Recktenwald, Dieter. "Cell Separation Methods and Applications," New York 1997.
	Reiling, B.A., et al., "Effect of Prenatal Androgenization on Performance, Location, and Carcass and Sensory Traits on Heifers in Single Calf Heifer System", J. Anim. Sci., 1995, 73: 986, p 986-992.
	Reiling, B.A., et al., "Effects of Prenatal Androgenization and Lactation on Adipose Tissue Metabolism in Finishing Single-Calf Heifers" J. Anim. Sci. Vol. 75 p. 1504-1512 (1997)
	Reiling, B.A., et al., "Effects of prenatal Androgenization, Melengestrol Acetate, and Synovex-H on Feedlot Performance, Carcass, and Sensory Traits of Once-Calved Heifers" J. Anim. Sci. Vol. 74 p. 2043-51 (1999)
	Rens W., et al Slit-scan flow cytometry for consistent high resolution DNA analysis of X- and Y- chromosome bearing sperm, Cytometry 25:191-199 (1996)
	Rens, W., et al., "A Novel Nozzle for More Efficient Sperm Orientation to Improve Sorting Efficiency of X and Y Chromosome-Bearing Sperm", Technical Notes, Cytometry 33, p 476-481 (1998)
	Rens, W., et al., "Improved Flow Cytometric Sorting of X- and Y- Chromosome Bearing Sperm: Substantial Increase in Yield of Sexed Semen", Molecular Reproduction and Development, p 50-56(1999)
	Rieger, D., et al, "The Relationship Between the Time of First Cleavage of Fertilized Cattle Oocytes and Their Development to the Blastocyst Stage", Therio. 1999, p. 190.
	Rigby, S. L., et al., "Pregnancy Rates in Mares Following Hysteroscopic or Rectally-Guided Utero-Tubal insemination with Low Sperm Numbers" Abstracts/Animal Reproduction Science Vol. 68 p.331-333 (2001)
	Riggs, B.A. "Integration of Early Weaning and Use of Sexed Semen in a Single-Calf Heifer System to Increase Value of Non-Replacement Heifers" MS Thesis, Colorado State University, Spring 2000
	Ritar, A. and Ball, A., "Fertility of Young Cashmere Goats After Laparoscopic Insemination." J. Agr. Sci. 117: p. 271-273. (1991)
	Roberts, J. R., Veterinary Obstetrics and Genital Diseases. Ithaca, New York. p. 740-749. (1971)
	Romero-Arredondo, A. " Effects of Bovine Follicular Fluid on Maturation of Bovine Oocytes" Theriogenology 41: 383-394, 1994

MM	Romero-Arendondo, A. "Effects of Follicular Fluid dring In Virto Maturation of Bovine Oocytes on In Vitro Fertilization and Early Embryonic Development" Biology of Reproduction 55, 1012-1016 1998
	Romita, A. "Some Considerations on the Beef Situation in Italy." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . 23. (1975)
	Roser, J. F., et al., "Reproductive Efficiency in Mares With Anti-hCG Antibodies." Proc 9th Int. Congr. Anim. Repro. and A. I. 4:627 (1980) abstr.
	Roth, T. L., et al., "Effects of Equine Chorionic Gonadotropin, Human Chorionic Gonadotropin, and Laparoscopic Artificial Insemination on Embryo, Endocrine, and Luteal Characteristics in the Domestic Cat." Bio. Reprod. 57:165-171 (1997)
	Roux, M., et al., "Early Calving Heifers Versus Maiden Heifers for Beef-Production from Dairy herds. I. The Effects of Genotype (Friesian and Carloads x Friesian) and Two Feeding Levels in the Rearing Period on Growth and Carcass Quality." Livestock Prod. Sci. 16:1 (1987)
	Rowley, H. S., et al., "Effect of Insemination Volume on Embryo Recovery in Mares." J. Equine Vet. Sci. 10:298-300 (1990)
	Roy, J. H., "Rearing Dairy-Herd Replacements." Journal of the Society Of Dairy Technology 31:73-79 (1978)
	Rutter, L. M., et al., "Effect of Abomasal Infusion of Propionate on the GnRH-Induced Luteinizing Hormone Release in Prepuberal Heifers." J. Anim. Sci. 56:1167 (1983)
	Salamon, S., <u>Artificial Insemination of Sheep</u> , Chippendale, New South Whales. Publicity Press. p.83-84 (1976)
	Schenk, J. L, et al., "Imminent Commercialization of Sexed Bovine Sperm", Proceedings, The Range Beef Cow Symposium XVI, p. 89-96 (1999)
	Schenk, J. L. "Applying Semen Sexing Technology to the AI Industry", Proceedings of the 18th Technical Conference on Artificial insemination & Reproduction, 2000.
	Schiewe, M. C., et al., "Transferable Embryo Recovery Rates Following Different Insemination Schedules in Superovulated Beef Cattle" Therio. 28 (4) October 1997, pp. 395-406
	Schillo, K. K., et al, "Effects of Nutrition and Season on the Onset of Puberty in the Beef Heifer." J. Anim. Sci. 70:3994 (1992)
	Schmid, R. L., et al, "Fertilization with Sexed Equine Spermatozoa Using Intracytoplasmic Sperm Injection and Oviductal Insemination ", 7th International Symposium On Equine Reproduction, pp. 139 (1998) abstr.
	Schnell, T. D., et al, "Performance, Carcass, and Palatability Traits for Cull Cows Fed High-Energy Concentrate Diets for 0, 14, 28, 42, or 56 days." J. Anim. Sci. 75:1195. (1997)
	Schoonmaker, J. P., et al., "Effects of Age at Weaning and Implant Strategy on Growth of Steer Calves." J. Anim. Sci. (Suppl. II) 76:71. (1998) abstr.
	Scmid, R. L., et al. Effects of follicular fluid or progesterone on <i>in vitro</i> maturation of equine oocytes before intracytoplasmic sperm injection with non-sorted and sex-sorted spermatozoa, <u>Journal of Reproduction and Fertility</u> 56:519-525, 2000
	Seidel, G. E. Jr et al., "Current Status of Sexing Mammalian Spermatozoa," Society for Reproduction and fertility, pp 733-743, 2002
	Seidel, G. E. Jr. " Cryopreservation of Equine Embryos" Veterinary Cliniciis of North America: Equine Practice Vol. 12, Number 1, April 1996
	Seidel, G. E. Jr. " Sexing Bovine Sperm" The AABP Proceedings - Vol 34
	Seidel, G. E. Jr. "Sexing mammalian spermatozoa and embryos-state of the art <u>Journal of Reproduction and Fertility Supp</u> 54, 477-487 1999.
	Seidel, G. E. Jr. "Uterine Horn Insemination of Heifers With Very Low Numbers of Nonfrozen and Sexed Spermatozoa", Atlantic Breeders Cooperative, Therio. 48: pp. 1255-1264, (1997)
	Seidel, G. E. Jr., "Use of Sexed Bovine Sperm for In Vitro Fertilization and Superovulation", Animal Reproduction and Biotech Lab, CSU, Proceedings of the 2000 CETA/ACTE Convention, Charlottetown, Prince Edward Island, August 2000, pp. 22-24.

W	Seidel, G. E. Jr., "Artificial Insemination With X-and Y-Bearing Bovine Sperm", Animal Reproduction and Biotechnology Laboratory, Colorado State University, (1996)
	Seidel, G. E. Jr., "Commercializing Repreductive Biotechnology - The Approach used by XY, Inc.," Theriogenology, p. 5, 1999
	Seidel, G. E. Jr., "Fertility of Bulls on the Edge of the Dose-Response Curve for Numbers of Sperm per Inseminate"; Proceedings of the 17th Technical conference on Artificial Insemination & Reproduction, 1998
	Seidel, G. E. Jr., "Status of Sexing Semen for Beef Cattle", Texas A & M University 45th Annual Beef Cattle Short Course and Trade Show Proceedings, August 9-11, p. III24-III27, (1999)
	Seidel, G. E. Jr., "Economics of Selecting for Sex: The Most Important Genetic Trait, Theriogenology 59, (2003), pp 585-598.
	Seidel, G. E. Jr., et al, "Insemination Of Heifers With Very Low Numbers Of Frozen Spermatozoa", CSU, Atlantic Breeders Cooperative, Lancaster, PA, DUO Dairy, Loveland, CO, July (1996)
	Seidel, G. E. Jr., et al, "Insemination of Holstein Heifers With Very Low Numbers Of Unfrozen Spermatozoa", CSU, Atlantic Breeders Cooperative, (1995)
	Seidel, G. E. Jr., et al, "Sexing Mammalian Sperm - Overview", Therio. 52: 1267-1272, (1999)
	Seidel, G. E. Jr., et al., "Artificial Insemination of Heifers with Cooled, Unfrozen Sexed Semen", Therio, Vol. 49 pp. 365 (1998) abstr.
	Seidel, G. E. Jr., et al., "Insemination of Heifers with Sexed Frozen or Sexed Liquid Semen." Therio. 51. (in press) (1999) abstr.
	Sell, R. S., et al., "Single-calf Heifer Profitability Compared to Other North Dakota Beef Production Systems." Department of Ag. Eco., North Dakota State University, Ag. Econ. Rpt. 20.
	Senger, P. L., et al., "Influence of Cornual Insemination on Conception in Dairy Cattle." J Anim. Sci. 66:3010-3016. (1988)
	Shabpareh, V. " Methods for Collecting and Maturing Equine Oocytes in Vitro " Theriogenology 40: 1161-1175, 1993
	Shackelford, S. D., et al, "Effects of Slaughter Age on Meat Tenderness and USDA Carcass Maturity Scores of Beef Females." J. Anim. Sci. 73:3304. (1995)
	Shapiro, Howard M. MD., PC. "Practical Flow Cytometry Third Edition," New York 1994.
	Sharpe, J.C., et al., "A New Optical Configuration for Flow Cytometric Sorting of Aspherical Cells" Horticulture and Food Research Institute of New Zealand Ltd., Hamilton, New Zealand (PNS) 11-02 1997 ABSTRACT
	Sharpe, Johnathan, Thesis; "An Introduction of Flow Cytometry", Ch. 2-2.2, 1997
	Sharpe, Johnathan, Thesis; "Gender Preselection-Principle Scientific Options," Ch. 3.4-3.4.8, 1997
	Sharpe, Johnathan, Thesis; "Sperm Sexing using Flow Cytometry," Ch. 3.5-3.5.8, 1997
	Sharpe, Johnathan, Thesis; "Sperm Sexing-Method of Johnson et al," Ch. 3.6-4.3.4, 1997
	Shelton, J. N. and Moore, N.W. "The Response of the Ewe to Pregnant Serum Mare Gonadotropin and to Horse Anterior Pituitary Extract." J. Reprod. Fertil. 14:175 - 177. (1967)
	Shilova, A. V., et al., "The Use of Human Chorionic Gonadotropin for Ovulation Date Regulation in Mares." VIIIth Int. Congress On Anim. Repro. and A. I. 204-208. (1976)
	Shorthose, W. R. and P. V. Harris. "Effect of Animal Age on the Tenderness of Selected Beef Muscles." J. Food Sci. 55:1-. (1990)
	Silbermann, M., "Hormones and Cartilage. Cartilage: Development, Differentiation, and Growth." pp. 327-368. Academic Press, Inc. (1983)
	Simon, M., "The Effect of Management Option on the Performance of Pregnant Feedlot Heifers." M.S. Thesis. Kansas State University. (1983)
V	Skogen-Hagenson, M. J. et al; "A High Efficiency Flow Cytometer," The Journal of Histochemistry and Cytochemistry, Vol. 25, No. 7, pp. 784-789, 1977, USA

M/M	Smith, G. C., et al, "USDA Maturity Indexes and Palatability of Beef Rib Steaks." J. of Food Quality 11:1. (1988)
	Smith, G. C., et al., "Relationship of USDA Maturity Groups to Palatability of Cooked Beef." J. of Food Sci. 47:1100. (1982)
	Smith, R. L., et al, "Influence of Percent Egg Yolk during Cooling and Freezing on Survival of Bovine
	Solsberry G.U., Van-Denmark N.L., Theory and practice of artificial cow insemination in USA, Moscow, KOLOS Publishing House, 1966, p. 346
	Spectra Physics, The Solid State Laser Company, "Vanguard 4 Watts of UV from a Quasi-CW, All Solid State Laser," http://www.splasers.com/products/isl_products/vanguard.html three pages, printed 14 Nov 2002
	Spectra-Physics Products, "Fcbar" http://www.splasers.com/products/oem_products/ov_fcbar.html two pages printed 14 Nov 2002
	Spectra-Physics, The Solid State Laser Company, "Vanguard 2000-HMD 532, www.spectra-physics.com
	Spectra-Physics, The Solid State Laser Company, "Vanguard 350-HMD 355, www.spectra-physics.com
	Squires, E. L., et al., "Effect of Dose of GnRH Analog on Ovulation in Mares." Therio. 41:757-769. (1994)
	Squires, E. L., "Simultaneous Analysis of Multiple Sperm Attributes by Flow Cytometry", Diagnostic Techniques and Assisted Reproductive Technology, The Veterinary Clinics of North America, Equine Practice, Vol. 12, No. 1, p127-130 (1996)
	Squires, E. L., "Early Embryonic Loss" <u>Equine Diagnostic Ultrasonography</u> , first ed., Rantanen & McKinnon. Williams and Wilkins, Baltimore, Maryland, p. 157-163 (1998)
	Squires, E. L., et al, "Cooled and Frozen Stallion Semen", Bulletin No. 9, Colorado State University, Ft. Collins, CO. (1999)
	Squires, E.L., "Procedures for Handling Frozen Equine Semen for Maximum Reproductive Efficiency", pp. 1, 39-41, 81-89
	Staigmiller, R.B. " Superovulation of Cattle with Equine Pituitary Extract and Porcine FSH" Theriogenology 37: 1091-1099 1992
	Steel, N. L., "Cost Effectiveness of Utilizing Sexed-Semen in a Commercial Beef Cow Operation", MS Thesis, Colorado State University, Summer 1998
	Steinkamp: "Flow Cytometry" vol.55, no. 9, Sept. 1984 pp 1375-1400, New York Review of Scientific Instruments ABSTRACT ONLY
	Stellflug, J. N., "Plasma Estrogens in Periparturient Cow." Therio 10:269. (1978)
	Stevenson, J. S., et al., "Detection of Estrus by Visual Observation and Radiotelemetry in Peripubertal, Estrus-Synchronized Beef Heifers." J. Anim. Sci. 74:729. (1996)
	Story, C. E., et al., "Age of Calf at Weaning of Spring-Calving Beef Cows and the Effect on Cow and Calf Performance and Production Economics." J. Anim. Sci. 78:1403. (2000)
	Stovel R.T. A Means for Orienting Flat Cells in flow systems Biophysical Journal, 1978,vol.23,pp 1-5
	Sullivan, J. J., et al., "Duration of Estrus and Ovulation Time in Nonlactating Mares Given Human Chorionic Gonadotropin During Three Successive Estrous Periods." J.A.V.M.A. 162:895-898. (1973)
	Sumner, A. T. and Robinson, J. A., "A Difference in Dry Mass Between the Heads of X and Y-Bearing Human Spermatozoa", J Reprod Fertil. 48, p. 9-15 (1976)
	Swanson, E. W. "Future Research on Problems of Increasing Meat Production by Early Calving." In: J.C. Taylor (ed.) <u>The Early Calving of Heifers and its Impact on Beef Production</u> . (1975)
	Swenson, S. L., et al., "PRRS Virus Infection in Boars: Isolation From Semen and Effect on Semen Quality" from the 1995 Research Investment Report, Iowa State University, Veterinary Clinical Sciences, Iowa State University
V	Taljaard, T. L., et al., "The Effect of the Laparoscopic Insemination Technique on the Oestrus Cycle of the Ewe." J. South Afr. Vet. Assoc. 62(2): 60-61. (1991)

M/M	Tatum, J. D., et al., "Carcass Characteristics, Time on Feed and Cooked Beef Palatability Attributes." J. Anim. Sci. 50:833. (1980)
	Taylor, C. S., "Efficiency of Food Utilization in Traditional and Sex-Controlled Systems of Beef Production", AFRC Animal Breeding Research Organization, West Mains Road, Edinburg EH9 3JQ, pp 401-440.
	Tervit, H.R., et al., "Successful Culture In Vitro of Sheep and Cattle Ova", Agricultural Research Council, Unit of Reprod. Physio. and Biochem., Univ of Cambridge, p. 493-497 (1972)
	Thun, Rico, et al., "Comparison of Biociphos-Plus® and TRIS-Egg Yolk Extender for Cryopreservation of Bull Semen; Theriogenology Symposium, December 1999, vol 52, #8
	<u>Time-Bandwidth Products "GE - 100 - XHP". www.tbsp.com. 2 pages. Jan. 2002.</u>
	Unruh, J. A. "Effects of Endogenous and Exogenous Growth-Promoting Compounds on Carcass Composition, Meat Quality and Meat Nutritional-Value." J. Anim. Sci. 62:1441. (1986)
	USDA "Official United States Standards for Grades of Carcass Beef." Agric, Marketing Serv., USDA, Washington, DC. (1997)
	Van Dilla, Martin, "Overview of Flow Cytometry: Instrumentation and Data Analysis", Flow Cytometry: Instrumentation and Data Analysis, Van Dilla et al. (Eds.), 1985, pp. 1-8
	Van Munster, E. B., "Geslachtsbepaling met interferometrie", Derde prijs NtvN-prijsvraag voor pas-gepromoveerden 65/4, (Sex Determination with Interferometry) p. 95-98 (1999)
	Van Munster, E. B., et al, "Difference in Sperm Head Volume as a Theoretical Basis for Sorting X & Y-Bearing Spermatozoa: Potentials and Limitations", Therio 52, pp. 1281-1293 (1999)
	Van Munster, E. B., et al, "Difference in Volume of X- and Y-chromosome Bearing Bovine Sperm Heads Matches Difference in DNA Content" Cytometry Vol. 35 p.125-128 (1999)
	Van Munster, E. B., et al, "Measurement-Based Evaluation of Optical Path Length Distributions Reconstructed From Simulated Differential Interference Contrast Images", J of Microscopy 191, Pt. 2, p. 170-176 (1998)
	Van Munster, E. B., et al, "Reconstruction of Optical Pathlength Distributions From Images Obtained by a Wide Field Differential Interference Contrast Microscope", J of Microscopy 188, Pt. 2, p. 149-157 (1997)
	van Munster, E. B. Interferometry in flor to sort unstained X- and Y-Chromosome-Bearing Bull Spermatozoa, Cytometry 47:192-199 (2002)
	Vazquez, J. J. et al., "Nonsurgical Uterotubal Insemination in the Mare", Proceedings of the 44th Annual Convention of the American Association of Equine Practitioners, Vol. 44, pp 68-69 (1998)
	Vazquez, J. M., et al., "A. I. in Swine; New Strategy for Deep Insemination with Low Number of Spermatozoa Using a Non-surgical Methodology", 14th International Congress on Animal Reproduction, Vol. 2, Stockholm, July 2000, p. 289.
	Vazquez, J., et al., "Development of a Non-surgical Deep Intra Uterine Insemination Technique", Boar Semen Preservation IV, IVth International Conference on Boar Semen Preservation, Maryland, pp. 262-263.
	Vazquez, J., et al., "Hyposmotic Swelling Test as Predictor of the Membrane Integrity in Boar Spermatozoa", Boar Semen Preservation IV, IVth International Conference on Boar Semen Preservation, Maryland, pp. 263.
	Vazquez, J., et al., "Successful low dose insemination by a fiber optic Endoscope technique in the Sow", Proceedings Annual Conference of the International Embryo Transfer Society, Netherlands, Theriogenology, Vol. 53 January 2000.
	Vidament, M., et al., "Equine Frozen Semen Freezability and Fertility Field Results." Therio. 48:907. (1997)
	Vincent, B.C., et al, "Carcass Characteristics and Meat Quality of Once-Calved Heifers." Canadian J. Anim. Sci. 71:311. (1991)
	Vogel, T., et al, "Organization and Expression of Bovine TSPY", Mammalian Genome, vol. 8, pp. 491-496 (1997)

	Voss, J. L. and Pickett, B. W., "Reproductive Management of the Broodmare." CSU Exp. Sta. Anim. Reprod. Lab. Gen. Series. Bull. 961. (1976)
	Voss, J. L., et al., "Effect of Number and Frequency of Inseminations on Fertility in Mares." J. Reprod. Fertil. Suppl. 32:53-57. (1982)
	Voss, J. L., et al., "Effect of Human Chorionic Gonadotropin on Duration of Estrous Cycle and Fertility of Normally Cycling, Nonlactating Mares. J.A.V.M.A. 165:704-706. (1974)
	Waggoner, A. W., et al., "Performance, Carcass, Cartilage Calcium, Sensory and Collagen Traits of Longissimus Muscles of Open Versus 30-month-old Heifers That Produced One Calf." J. Anim. Sci. 68:2380. 1990
	Welch G., et al., "Fluidic and Optical Modifications to a FACS IV for Flow Sorting of X- and Y-Chromosome Bearing Sperm Based on DNA. Cytometry 17 (Suppl. 7): 74. (1994)
	Welch, G., et al., "Flow Cytometric Sperm Sorting and PCR to Confirm Separation of X- and Y-Chromosome Bearing Bovine Sperm", Animal Biotechnology, 6, pp 131 - 139 (1995)
	Wheeler, T. L., et al., "Effect of Marbling Degree on Beef Palatability in Bos-taurus and Bos-indicus cattle." J. Anim. Sci. 72:3145. (1994)
	Wickersham, E. W. and L. H. Schultz. "Influence of Age at First Breeding on Growth, Reproduction, and Production of Well-Fed Holstein Heifers." J. Dairy Sci. 46:544. (1963)
	Wilhelm, K.M. et al, "Effects of Phosphatidylserine and Cholesterol Liposomes on the Viability, Motility, and Acrosomal Integrity of Stallion Spermatozoa Prior to and after Cryopreservation", Cryobiology 33:320, 1996.
	Wilson, C. G., et al., "Effects of Repeated hCG Injections on Reproductive Efficiency in Mares." Eq. Vet. Sci. 4:301-308. (1990)
	Wilson, D. E. et al., "Mammal Species of the World", Smithsonian Institution Press, 1993, 1206 pp.
	Wilson, M.S. "Non-surgical Intrauterine Artificial Insemination in Bitches Using Frozen Semen." J. Reprod. Fertil. Suppl. 47:307-311. (1993)
	Windsor, D. P., et al, "Sex Predetermination by Separation of X and Y Chromosome-bearing Sperm: A Review", Reproduction of Fertilization and Development 5, pp. 155-171, (1993)
	Wintzer Et al.: "Krankheiten des Pferdes Ein Leitfaden fur Studium und Praxiz," 1982, nParey, Berlin Hamburg XP002281450
	Woods, G. L. and Ginther, O. J. "Recent Studies Related to the Collection of Multiple Embryos in Mares." Therio. 19:101-108. (1983).
	Woods, J., et al., "Effects of Time of Insemination Relative to Ovulation on Pregnancy Rate and Embryonic-Loss Rate in Mares." Eq. Vet. J. 22(6): 410-415. (1990)
	Zhou, Hongwei, et al, "Research on and Development of Flow Cell Sorting Apparatuses," Gazette of Biophysics, Vol 12, ed. 3, 1997
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